

User Manual

Bari Rehab Platform 2™



Rev. 4.0 #8033

SIZEWISE

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User Manual

Table of Contents

Definition of Symbols.....	4
Manual Definitions	4
Warnings and Cautions	4
Important Safety Instructions.....	6
Device Information	11
Description of the Bari Rehab Platform 2™.....	11
Description of the optional Rest Secure System™ (RSS).....	11
Specifications	12
Bari Rehab Platform 2™ Specifications.....	12
SW Rest Secure System™ Specifications	14
SW Rest Secure System™ Control Module	14
SW Rest Secure System™ Hand Control.....	15
Unpacking and Set-Up Instructions	16
Bari Rehab Platform 2™ Unpacking and Set-Up.....	16
Unpacking/Parts Breakdown	16
Bed Set-Up.....	17
Side Rail Set-Up	19
SW Rest Secure System™ Set-Up.....	21
Basic Set-Up	21
Bed Exit Alarm	21
Scale System: Zeroing the Scale.....	22
Scale System: Adding/Removing Items	22
Scale System: Weight History Time Setting	23
Protocol: Set Alert Reminder.....	23
Protocol Timer: Sound Level Setting	24
Setting the Time/Date	25
Operating Instructions.....	26
Hand Control.....	26
Operation of Bed.....	27
Rest Secure Operating Instructions (optional).....	28
Hand Control.....	28
Bed Exit Alarm: Use Alarm.....	29
Scale System: Use Scale and Access Weight History	30
Protocol Timer: Using the Timer	31

Bed Exit Alarm: Set Alert Tones	32
Bed Exit Alarm: Record Message.....	32
Scale System: Adjust Weight.....	33
Scale System: Change LBS/KGS. Setting	33
Scale System: Locking/Unlocking the Unit in LBS/KGS	34
Proper Use of the Bed	35
Reaching or Leaning	35
Side Rails	36
Transfers	38
Features	39
Casters	39
Connection of Electrical Components	40
Expandable Bed Deck.....	41
IV Pole	41
Manual Crank.....	41
Power Drive System	42
SW Scale Meter (optional).....	43
Serial Number Location	45
Trapeze Assembly.....	46
Trendelenburg Disabling	47
Seven Zones of Bed Rail Entrapment.....	48
Safety Tips	50
Electrical Leakage Test Point	50
Acceptable Levels of Leakage Current.....	50
Electromagnetic Compatibility (EMC).....	50
Electromagnetic Interference (EMI) from Radio Wave Sources.....	52
General Safety.....	57
Pinch Point.....	58
Transport.....	59
Cleaning Instructions	60
Laundry Instructions	64
Optional Accessories	65
Maintenance	66
Service/Replacement of Hand Control	67

Lubricating the Actuators	67
Fasteners	68
Storage and Disposal.....	68
Troubleshooting	69
Bari Rehab Platform 2™ Troubleshooting	69
SW Rest Secure System™ Troubleshooting	70
Warranty Information	71
Sizewise Rentals™, LLC (Sizewise) Limited Warranty	71
Manufacturer Disclaimer	72
User Assistance Information.....	73

Definition of Symbols

Manual Definitions

Throughout this manual different type fonts and icons are used to aid user readability and understanding of the content. Below are some examples.

Standard Text

Used for regular information.

Bold Face Text

Emphasizes a word or phrase.

NOTE

SETS APART SPECIAL INFORMATION OR IMPORTANT INSTRUCTION CLARIFICATION.

Warnings and Cautions



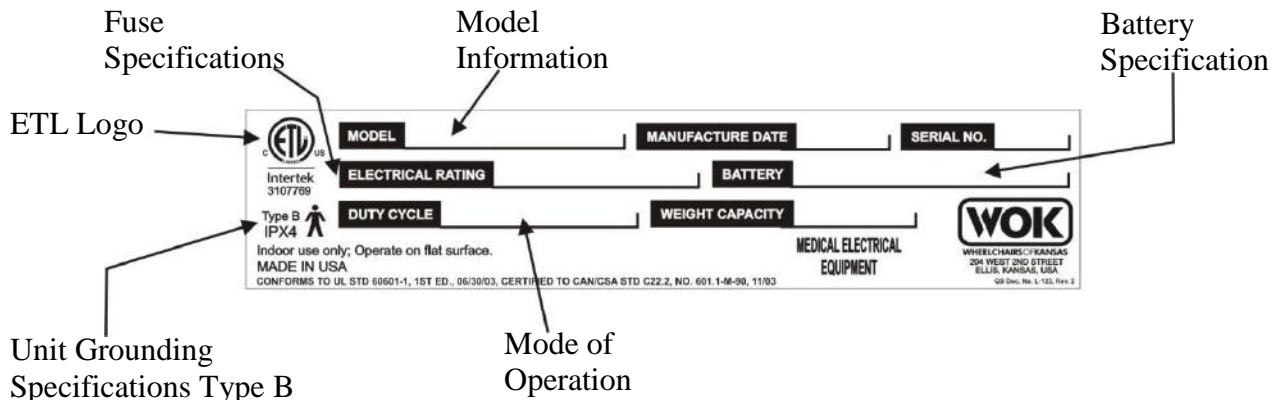
Warnings/Cautions: This symbol is intended to alert the user to the presence of important operating, maintenance or servicing instructions. Disregarding a warning could result in patient and/or user injury as well as damage to equipment.




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.



Pinch Point Hazard Warning: This symbol is intended to alert the user to the presence of a potential pinch point hazard. It is important to follow all instructions and special procedures to avoid patient and/or user injury as well as damage to equipment.



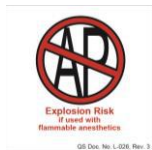
Type B  Symbol for Type B applied parts indicating protection provided against electric shock.



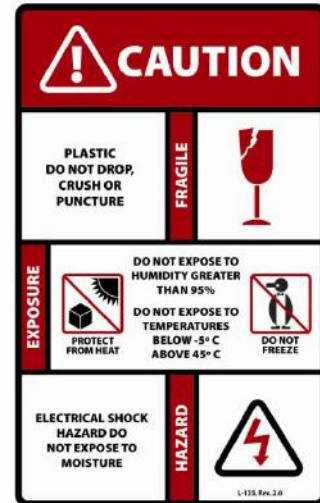
The pinch point is spacing between movable parts of the device which, in positions of normal use fail to maintain a clearance of $\leq 8\text{mm}$ or $\geq 25\text{mm}$.



Protective Earth Terminal Grounding symbol. It is placed at the equipment earthing point and is mandatory for all grounded equipment.



AP- Anesthetics Proof
For medical equipment intended for use in ordinary locations but likely to be brought into the operating or delivery room.



The hazards and warnings are indicated on the shipping container by this label.



Located on the ECM

Located on the ECM

ELECTRIC SHOCK HAZARD

DO NOT REMOVE COVER. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DISCONNECT POWER SUPPLY BEFORE SERVICING.

BEFORE CONNECTING READ INSTRUCTIONS.

GROUNDING RELIABILITY CAN ONLY BE ACHIEVED WHEN THE EQUIPMENT IS CONNECTED TO AN EQUIVALENT RECEPTACLE MARKED:
HOSPITAL ONLY or HOSPITAL GRADE.

QS Doc. No. L-029, Rev. 3



WARNING: The bed is to be used in accordance with each facility's policies and procedures.

For user and patient safety, read and follow all warnings and instructions that apply to use of the Bari Rehab Platform 2™. Before using this bed, the user must know what to do to ensure safety.

Put the patient at ease. The care provider should communicate with the patient by telling them what they are planning to do.

Work with the patient's doctor, nurse or therapist to learn safe methods best suited to the care provider's abilities and those of the patient.

Always use good posture and proper body mechanics. When possible use assistive safe patient handling devices, if necessary to manually lift or support the patient, bend knees slightly and keep back as upright and straight as possible.

Important Safety Instructions

- The bed is to be used in accordance with each facility's policies and procedures.

Specifications

- Exceeding the weight capacity and/or safe working load listed in the specifications could result in patient or user injury as well as damage to equipment or other property.
- Any change to the specifications can result in malfunction or damage to the SW Rest Secure System™.

Unpacking and Set-Up Instructions

- Failure to follow the set-up instructions could result in patient or user injury as well as damage to equipment or other property.
- During bed set-up, all four bolts must be in place and securely fastened before placing a patient in the bed.
- Follow EMC guidelines and safety precautions when the bed is connected to powered source (page 50).
- Radio wave sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones can affect this bed. Following the warnings listed for electromagnetic interference should reduce the chance of the bed's unintended movement that could result in serious injury.
- It is recommended to have the side rails upright at all times while the patient is in the bed. However, the ultimate decision lies with the medical personnel who are on site and can fully evaluate all factors.
- A fall may occur if side rail bolts are not secured properly or not in place causing harm to the patient and/or care provider.

- If the side rails are not secured in the proper place, entrapment to the patient may occur. Bed rail entrapment is a serious health risk that can result in serious injury or even death. Sizewise 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. It is the care provider's ultimate decision whether or not to use bed rails with the patient.
- Electric shock may occur when plugging the SW Rest Secure System™ into the wall outlet. Use ONLY grounded or hospital grade outlets.
- DO NOT use the SW Rest Secure System™ if the power cord is cut, frayed or loosely connected to the bed.
- To ensure reliable functionality, the battery reserve should only be used as a temporary power source until AC power is restored. When the Low Battery Warning screen is shown, the unit should be plugged into AC immediately.

Operating Instructions

- Once the bed is positioned correctly, lock casters. Failure to do this could result in patient and/or user injury as well as damage to equipment or other property.
- Electrical shock or malfunction may occur if the hand control cord is pinched or frayed. Keep the cord away from moving parts.
- Failure to heed the warnings pertaining to the operation of the bed could result in patient and/or user injury as well as damage to equipment or other property.
- Never work under the bed while it is in operation.
- Casters will move/roll when the bed is in motion. Stand clear of the bed frame before operating.
- Keep fingers and arms away from rotating parts when mechanisms are moving.
- Operating this bed with any part of the body in the frame can result in injury. Stand clear of the bed frame before operating.
- Stand clear of the bed during operation due to minimum floor clearance on all sides of the bed.
- The bed is for indoor use only. Only operate the bed on a flat surface.
- DO NOT use the bed near an open flame or an extreme heat source.
- This bed is not intended for use in high moisture areas (e.g. showers, pool therapy), or extreme temperature environments.
- Use only parts, accessories and adapters authorized by the manufacturer.
- DO NOT use the bed with any unintentionally missing or abnormal parts.
- Remove the hand control when the patient is unattended.
- Make sure all cords are properly positioned before operating the bed. Failure to do so could result in electrical shock and serious injury.
- Never work on a bed while it is plugged into an electrical outlet.
- DO NOT use the bed if the power cord is cut, frayed or loosely connected to the bed.

- The bed is an electrically powered mechanism. Electrical hazard may occur if the bed is plugged into inadequate power supply. Make sure the bed is plugged into an 115V grounded outlet.
- Never let fingers or other body parts come between moving parts when operating the bed. Doing so may cause a pinch or crush type injury.
- The bed is to be used in accordance with each facility's policies and procedures.

Proper Use of the Bed

- Follow the instructions for assisting patients in and out of the bed to avoid a fall or injury to the patient and/or care provider.
- Reaching or leaning affects the patient's center of balance. Follow the instructions for patients reaching or leaning from the bed to avoid a fall or injury to the patient and/or care provider.
- Never try to move the bed by its side rails. The side rails may come loose or break. Move the bed by the by non-detachable parts on the main frame.
- It is recommended to have the side rails upright at all times while the patient is in the bed. However, the ultimate decision lies with the medical personnel who are on site and can fully evaluate all factors.
- An injury may occur if the side rail pins are not secured properly, or not in place, causing harm to the patient and/or care provider.
- If the side rails are not secured in the proper place, entrapment to the patient may occur. Bed rail entrapment is a serious health risk that can result in serious injury or even death. Sizewise 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. It is the care provider's ultimate decision whether or not to use bed side rails with the patient.
- It is recommended to have the side rails upright at all times while the patient is in the bed. However, the ultimate decision lies with the medical personnel who are on site and can fully evaluate all factors.
- It is recommended to have the side rails upright at all times while the patient is in the bed. However, the ultimate decision lies with the medical personnel who are on site and can fully evaluate all factors.
- Never try to move the bed by the side rail. The side rails may come loose or break.
- Follow the instructions for transferring patients to avoid a fall or injury to the patient and/or care provider.

Features

- While the patient is in the bed, it is recommended to lock the casters to reduce risk of injury to the patient and/or care provider.
- To avoid and reduce risk of a tripping injury to the patient and/or care provider, align the casters with the bed.
- If the weight capacity of the IV pole is exceeded, it could result in patient and/or user injury as well as damage to equipment or other property.
- The bed must be unplugged from the wall outlet before operating the power drive system. The power drive system should be operated ONLY by qualified staff and should remain

in the LOCKED mode when not in use. Failure to understand the proper operation of the power drive system could result in patient and/or user injury as well as damage to equipment or other property.

- If the joystick is not in the center position or neutral when the ON/OFF button is pressed, the joystick mechanism will not operate and an error will be indicated by all LEDs flashing slowly.
- If the weight capacity of the trapeze is exceeded, it could result in patient and/or user injury as well as damage to equipment or other property.
- Pay close attention to pinch points on the bed to avoid injury to the patient and/or care provider.

Seven Zones of Bed Rail Entrapment

- Bed rail entrapment is a serious health risk that can result in serious injury or even death. Sizewise 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. When using an Air Therapy system the care provider is responsible for ensuring the mattress properly fits the bed frame. It is also the care provider's ultimate decision whether or not to use bed rails with the patient.

Safety Tips

- If the ground is not properly connected to the electrical leakage test point a false reading may occur.
- Medical equipment should not be used, stacked or located on or around equipment that may create electromagnetic interferences.
- Using other manufacturer's cables and accessories may affect EMC performance. Unauthorized use of these items will void warranty and could result in patient and/or user injury as well as damage to equipment or other property.
- The use of cables or accessories other than those for which the bed was designed or tested can significantly degrade emissions and immunity performance.
- Radio wave sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones can affect this bed. Following the warnings listed for electromagnetic interference should reduce the chance of the bed's unintended movement that could result in serious injury.
- It is very important to read the information regarding the possible effects of electromagnetic interference on the Bari Rehab Platform 2™ and Rest Secure System™.
- The bed is to be used in accordance with each facility's policies and procedures.
- Possible fire hazard when used with oxygen administering equipment other than the nasal, mask or 1/2 bed length type tent. Oxygen tent should not extend below the mattress support level. Lock hand control at foot of bed when using oxygen administering equipment.
- Electric shock may occur when plugging the bed into the wall outlet. Use ONLY grounded or hospital grade outlets.
- DO NOT use the bed if the power cord is cut, frayed or loosely connected to the bed.
- Pay close attention to pinch points on the bed to avoid injury to the patient and/or care provider.

- During transport, use caution so the bed does not tip or overbalance. Failure to do so could result in patient and/or user injury as well as damage to equipment or other property.
- The bed needs to be stored, transported and operated in a temperature range of -5°C to 45°C (23°F to 113°F).
- DO NOT expose the bed to humidity greater than 95%.

Cleaning Instructions

- Before cleaning the bed, be sure to disconnect it from the wall outlet (power source). Failure to do so could result in electrical shock and could result in patient and/or user injury as well as damage to equipment or other property.

Maintenance

- The bed requires regular maintenance to uphold performance and avoid premature wear, damage and injury.
- Failure to follow the service/replacement of hand control instructions could result in damage to the hand control cable plug.
- Many of the screws and bolts used in the bed are special high-strength fasteners. Contact an authorized Sizewise technician to assist if finding the correct fasteners. If improper fasteners are used, they could result in patient and/or user injury as well as damage to equipment or other property.
- The bed needs to be stored, transported and operated in a temperature range of -5°C to 45°C (23°F to 113°F).
- DO NOT expose the bed to humidity greater than 95%.
- Use only parts, accessories and adapters authorized by Sizewise.
- Before positioning patient on bed, verify all components are secure after adjustments, repairs, or servicing of the trapeze, single pole patient assist, or any other overhead components/devices.
- Do not attempt to install, repair, or remove the trapeze, single pole patient assist, or any other overhead components/devices while bed is occupied.
- Do not attempt to install, perform maintenance, or use this product without first reading and understanding these instructions and accompanying documents such as, the User Manual, Technical Manual, and Work Instructions. If you do not understand these instructions, or documents referenced, contact Sizewise at 1-800-814-9389.

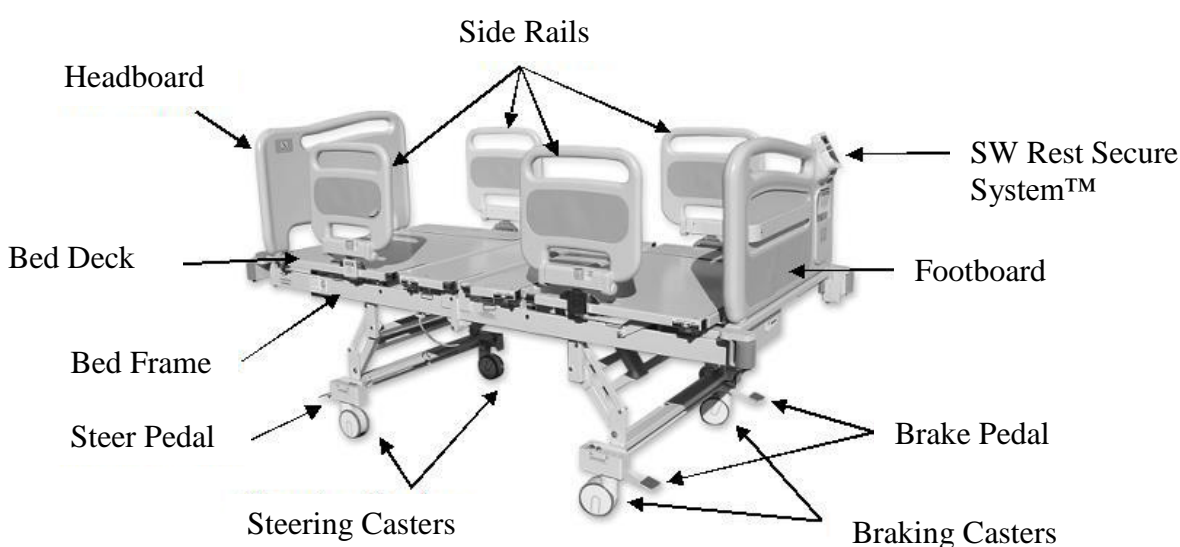
Troubleshooting

- Only authorized personnel should engage in the troubleshooting process. Troubleshooting by unauthorized persons could result in personal injury or equipment damage.

Device Information

Description of the Bari Rehab Platform 2™

The Bari Rehab Platform 2™ is an electric bed. The positioning nature of this bed also provides care providers convenience in attending to the patients. The frame is constructed entirely from metal and is adjustable in height from a low position of 15.75" (40 cm) to a high position of 30" (76 cm). The frame is designed to support a safe working load of up to 1,000 lbs. (453 kg). The bed comes standard with four 5" heavy-duty casters, headboard and footboard, a manual emergency crank, four electric drive modules, a set of four side rails and hand control. Options include trapeze, IV pole holder, power drive, SW Rest Secure System™ and low air loss mattress.



Description of the optional Rest Secure System™ (RSS)

The purpose of the SW Rest Secure System™ is to alert the care provider that a patient is attempting to exit the bed or is in an immediate risk of falling in settings where continuous surveillance of a patient is not possible. This is achieved by precisely monitoring a change in patient position. When the patient makes an attempt to get out of bed an alarm will sound either at the hand control or activate the nurse call signal.

The SW Rest Secure System™ also has an integrated scale that utilizes a transducer based system to accurately record the weight of the patient while in the bed. It also has the capability to record the weight automatically every day for 30 days at user-defined intervals.

Another feature is the protocol timer, which can be set for 1, 2 or 4 hours, to alert the care provider that the patient needs attended to or checked on. It has the capability to alert the care provider by an audible tone or activating the nurse call signal.

Specifications

Bari Rehab Platform 2™ Specifications

Quality Assurance Standards	IEC 60601 CSA C22.2 No. 601.1 IEC/EN 60601-2-38 IEC/EN 60601-1 IEC 60601-1-2
Degree of Protection Against Electric Shock	Type B
Degree of Protection Against Ingress of Water	IPX4
Electrical Rating.....	115VAC 60Hz, 7.6 amps (US model) 230VAC 50/60Hz, 7.6 amps (non-US models)
Duty Cycle	5 Min ON / 10 Min OFF Cycle (US model) 4 Min ON / 10 Min OFF Cycle (non-US models)
Overall Width – 39” / 99 cm.....	41.5” / 105.5 cm
48” / 122 cm	50.5” / 128.5 cm
Overall Length- 80” / 203 cm	89” / 226 cm
86” / 152.5 cm	95” / 241 cm
Length- Regular	80” / 203.0 cm
Extra Tall	86” / 218.5 cm
	(Between Head & Footboard)
Deck Low (without mattress).....	15.75” / 40 cm
Deck High (without mattress).....	30” / 76 cm
Trendelenburg	11°
Reverse Trendelenburg	-11°
Head Section	64°
Knee Section	54°
Foot Section	10°
	(Angles have 2° +/- variance)
Bed Weight – 39”	510 lbs. / 231 kgs.
39” Expandable (48”)	560 lbs. / 254 kgs.
<i>(Weight depends on options on the bed)</i>	
Optional IV Pole Weight	3 lbs. / 1 kgs.
Optional Trapeze Weight.....	80 lbs. / 36 kgs.

Weight Capacity Bed 1000 lbs. / 453 kgs.
Optional IV Pole..... 50 lbs. / 22 kgs.
Optional Trapeze 850 lbs. / 385 kgs.

(Exceeding these limits will void the warranty)

With Optional Trapeze Attached to Bed

Height from Floor 75.75" – 90" / 192 cm – 228 cm



WARNING: Exceeding the weight capacity and/or safe working load listed in the specifications could result in patient or user injury as well as damage to equipment or other property.

SW Rest Secure System™ Specifications

SW Rest Secure System™ Control Module

The Control Module is located under the bed.

Housing

Material ABS, UL94-V0 rated
Width 7.25" / 18.5 cm
Length 3.25" / 8.5 cm
Thickness 2.00" / 5 cm

Connectors

Power 2.1 mm Center Positive
Load Cell 6 pin RJ11
Nurse Call 1/4 Phono TS
CAN Network 6 pin RJ11

Nurse Call

Open 0 Ohms
Alarm 0.3 Ohms
Output 0.206 VRMS Max

External Power

AC Adapter 5.0 Volts, DC, UL Recognized supply
Current 800 mA, fused at 800 mA

Battery Power

Type 2 x AA, NiMH Rechargeable
Capacity 1600 mAh
Recharge Time Normally 30 mins, from fully discharged, 120 mins
Operating Time (No Alarms) 200 mins

Operating Current

Normal 170-280 mA
Charging 320 mA
Alarming 275 mA

Weighing Function

Resolution 1-1.5 lbs. / .5-.7 kgs.
Sampling Frequency 10 Hz
Averaging 16 samples/ 1.6 seconds



WARNING: Any change to the specifications can result in malfunction or damage to the SW Rest Secure System™.

SW Rest Secure System™ Hand Control

The Hand Control is located on the footboard.

Housing

Material	ABS, UL94-V0 rated
Width.....	3.50” / 8.9 cm
Length	7.00” / 18 cm
Thickness	1.75” / 4.5 cm

Connectors

CAN Network	6 pin RJ11
-------------------	------------

Operating Current

Normal	54-160 mA
Alarming	150 mA

Audio

Record Memory	4 Megabits
Voice Record Alarm Time.....	15 seconds
Sound Level	90 dB @ 12 inches
Tones.....	5 selectable tones

Display

Type	LCD Graphic, blue LED backlighting
Size.....	64mm x 17.9 mm
Resolution	32 Pixels

Functions

Bed Exit Alarms.....	Off, Low, Medium, High
Protocol Alarm.....	Off, 1, 2, 4 Hours
Sound Volumes.....	Off, Low, Medium, High
Scale.....	0-1000 lbs. / 0-453.5 kgs.
Scale Accuracy*.....	+/- 5 lbs. / 2.25 kgs.

*Scale accuracy can only be achieved by proper factory calibration



WARNING: Any change to the specifications can result in malfunction or damage to the SW Rest Secure System™.

Unpacking and Set-Up Instructions

Bari Rehab Platform 2™ Unpacking and Set-Up

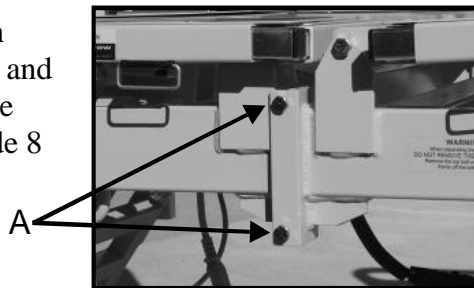
Unpacking/Parts Breakdown

Inspect for any signs of freight damage. If obvious damage is detected, contact the freight company and file a damage complaint. It may be necessary to take pictures of the damage. After visual inspection make sure all of the proper components have been received.

Items enclosed in the box:

- Bed Frame Head Section
- Bed Frame Foot Section
- Headboard
- Footboard
- Power Cord
- Hand Control
- Hand Crank
- Side Rails with Mounts (4)
- Foot Rail (Mattress Stop)
- Footboard Posts (2)
- Headboard Posts (2)
- Scale Meter (RSS Optional)
- Information Packet
- Assembly Bolts*

*The bed requires four bolts, two on each side, as indicated (A) to connect the head and the foot mainframe sections together. The bolts must be 5/16-18 X 2 1/2" long Grade 8 Hex Head Cap Screws. There are no exceptions or substitutions to this requirement. Sizewise part number is 27001204.



Tools required for assembly:

- Phillips Screwdriver
- 3/16" Allen Wrench
- 7/32" Allen Wrench
- 2-1/2" Combination Wrench

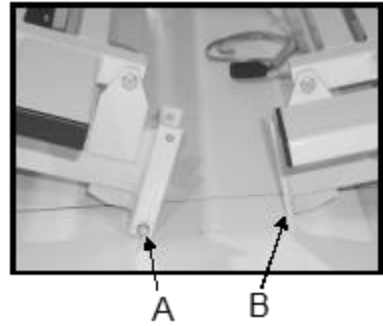
DO NOT discard any packing material until all components are accounted for and are in good condition.



WARNING: Failure to follow the set-up instructions could result in patient or user injury as well as damage to equipment or other property.

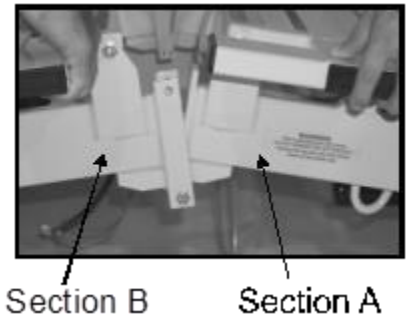
Bed Set-Up

1. Position both ends of the bed so that the sections are lined up with each other.



2. Insert a 5/16"-18 x 2 1/2" long Grade 8 bolt (A) in the bottom holes, 2 places. Lift both sections of the bed and insert the brackets (B) on section A, behind the bolts on section B. Slowly lower the two sections.

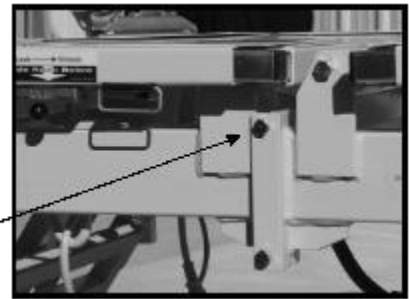
NOTE: For ease of assembly it may be necessary to have two people assemble the bed.



3. Install the 5/16"-18 x 2 1/2" long Grade 8 bolts (C) through the top holes on the brackets to lock the two sections together. Install and tighten the nuts on the 4 bolts.



WARNING: Failure to securely fasten the four bolts in place during bed set-up could result in patient or user injury as well as damage to equipment or other property



4. The headboard mount should be bolted onto the bed frame on the outer receptacles.

The footboard mount should be bolted onto the bed frame on inner receptacles.



Headboard



Footboard

5. Locate the electrical connectors in the middle of the bed frame and insert them together.



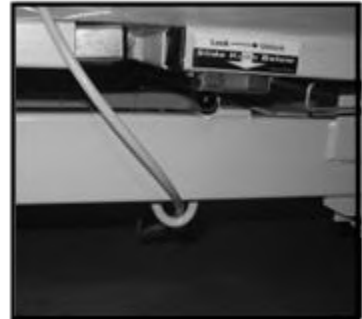
6. Next plug the small modular connectors into the blade box mounted on the center frame.



7. Locate the Electronic Control Module (ECM) at the head end of the bed. Connect the hospital grade power cord provided and the hand control cord to the ECM.



8. The hand control for the bed is routed to the center of the bed and should be routed to exit the bed either on the left or the right side, hanger hooks are provided to secure the cable from the floor.



9. Install the mattress stop rail.

Carefully remove the protective covering from the mattress. Slide the mattress onto the bed frame.

NOTE: DO NOT use a sharp object to cut protective covering on the mattress as you may damage the mattress covering.



10. Position the bed at least 12" (30.48 cm) from any walls. This will prevent any damage to the walls while the bed is in movement.
11. Lock the casters into their proper position as indicated by the stickers located near the casters on the bed.

NOTE: This step is imperative. The bed may fail if the casters are not placed in the proper position prior to use.

On/Off



12. Plug the bed into a 110V AC grounded or hospital grade outlet. Locate the “ON/OFF” switch on the Electronic Control Module and switch it to the “ON” position.



WARNING: To avoid electrical shock when plugging this bed into the wall outlet, only use grounded or hospital grade outlets.



WARNING: Follow EMC guidelines and safety precautions when the bed is connected to powered source (page 50).

Radio wave sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones can affect this bed. Following the warnings listed for electromagnetic interference should reduce the chance of the bed’s unintended movement that could result in serious injury.

Side Rail Set-Up



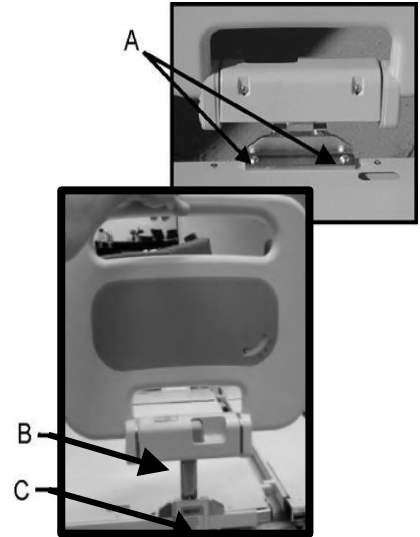
WARNING: It is recommended to have the side rails upright at all times while the patient is in the bed. However, the ultimate decision lies with the medical personnel who are on site and can fully evaluate all factors.



WARNING: If the side rails are not secured in the proper place, entrapment to the patient may occur. Bed rail entrapment is a serious health risk that can result in serious injury or even death. Sizewise 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. It is the care provider’s ultimate decision whether or not to use bed rails with the patient.

To Mount:

1. Align the side rail mount with the two pre-drilled holes (A), located toward the center of the top deck, and place the bolts through the holes.
2. Place the nut on the bolt underneath the deck and tighten.
3. Slide the side rail into the mount (B).
4. Place the pin and lanyard (C) below the mount to secure the side rail.



NOTE: Side rails for the head section are side specific. Verify the angle indicators are toward the center of the bed.



WARNING: If the side rails are not secured in the proper place, entrapment to the patient may occur. Bed rail entrapment is a serious health risk that can result in serious injury or even death. Sizewise 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. It is the care provider's ultimate decision whether or not to use bed rails with the patient.

SW Rest Secure System™ Set-Up

Basic Set-Up

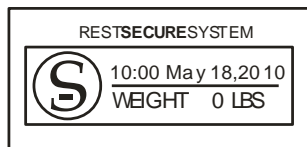


WARNING: Electric shock may occur when plugging the SW Rest Secure System™ into the wall outlet. Use ONLY grounded or hospital grade outlets.

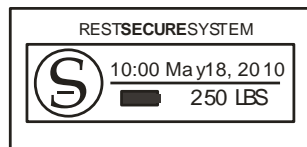
DO NOT use the SW Rest Secure System™ if the power cord is cut, frayed or loosely connected to the bed.

Make sure the unit is plugged into AC power and the hand control is connected to the bed's footboard. The Nurse Call Interface cable at the head of the bed should be securely plugged into the Nurse Call Interface on the wall to function properly. Press the enter button to activate the hand control.

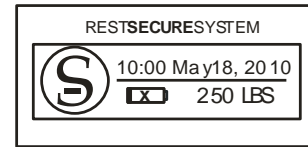
The first photo shows the unit operating on AC power. The second photo shows the unit operating on battery reserve power with full charge. The third photo shows the battery reserve with 15% charge.



AC Power



Battery 100% Charge



Low Battery Warning

The unit will go into standby after 60 seconds of inactivity. If this occurs press any button, except back, to resume.

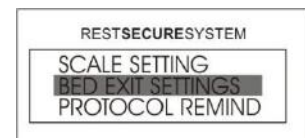


CAUTION: To ensure reliable functionality, the battery reserve should only be used as a temporary power source until AC power is restored. When the Low Battery Warning screen is shown, the unit should be plugged into AC immediately.

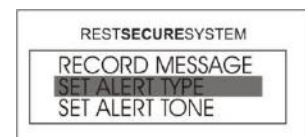
Bed Exit Alarm

The nurse call is always active no matter what selection is made. When selecting nurse call only, the audio alert will be disabled in the room. This unit will chime on an alarm if a voice message has not been recorded and the unit is set to Voice Recording.

1. Access the Menu by pressing the UP or DOWN arrow until Bed Exit Settings is highlighted and then press ENTER.



2. Select Set Alert Type and then press ENTER



- Choose one of the four alert types and then press ENTER. The selection has now been made and the user will be returned to the Home Screen.



Scale System: Zeroing the Scale

With the patient out of the bed, press and hold the ZERO button for 3 seconds. This process sets the tare weight (base weight) and will return to the Home Screen when complete.



With the tare weight set, the patient may now be placed in the bed and begin recording weight.

NOTE: Make sure all equipment and linens are on the bed before zeroing the scale. If an air support mattress is being used with the patient, be sure to fully inflate the mattress prior to zeroing the scale. Adding or removing items during the zeroing process will cause inaccurate patient weight. It is highly recommended that the scale be zeroed before each new patient.

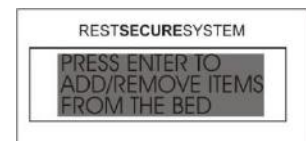
Scale System: Adding/Removing Items

The feature will allow items to be added and removed such as blankets or pillows from the bed without affecting the current weight reading of a patient.

- Access the Menu by pressing the UP or DOWN arrow until ADD/REMOVE ITEMS is highlighted and then press ENTER.



- Press ENTER to add/remove items from the bed.



- Change the items on the bed and press ENTER when complete. The user will now return to the Home Screen.



NOTE: If steps 2 and 3 are not completed within 30 minutes then the unit will automatically exit the Add/Remove Items screen and return to Standby.

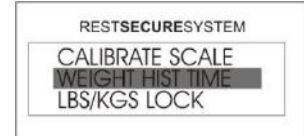
Scale System: Weight History Time Setting

The SW Rest Secure System™ is designed to record the weight of the patient by date and time. The unit will automatically record the weight for 30 days at a default time of 00:00 hours (midnight).

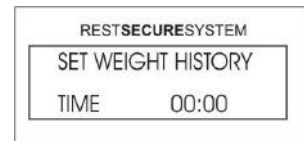
1. Access the Menu by pressing the UP or DOWN arrow until SYSTEM SETTINGS is highlighted and then press ENTER.



2. Select WEIGHT HISTORY TIME and then press ENTER.



3. Using the arrows, select the time desired for the unit to record a weight and then press ENTER. The user will return to the Home Screen.

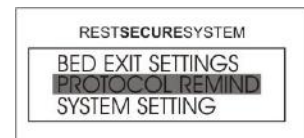


NOTE: Time must be set in 24-hour clock in 1/2 hour intervals. Example: 13:00 = 1:00 pm

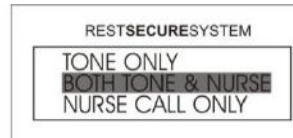
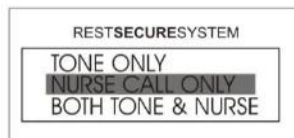
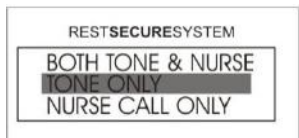
Protocol: Set Alert Reminder

The protocol reminder is a timer that can be set for 1, 2 or 4 hours as a reminder that the patient needs to be attended to or checked on. There are three alert settings for the protocol alarm.

1. Access the Menu by pressing the UP or DOWN arrow until PROTOCOL REMIND is highlighted and then press ENTER.



2. Choose from one of the three alert types and then press ENTER. The selection has now been completed and the user will be returned to the Home Screen.

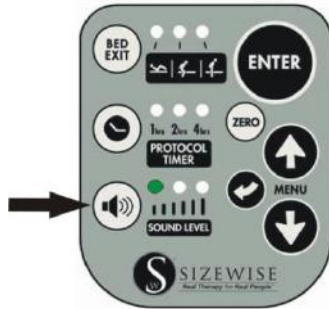


NOTE: The protocol audible tone is specific and is unchangeable to ensure differentiation between a bed exit alarm and a protocol alarm. The protocol alarm will have short frequent beeps.

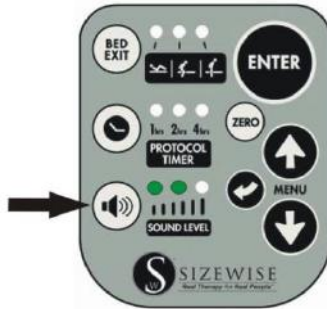
Protocol Timer: Sound Level Setting

There are 3 sound levels for the bed exit alarm/protocol reminder.

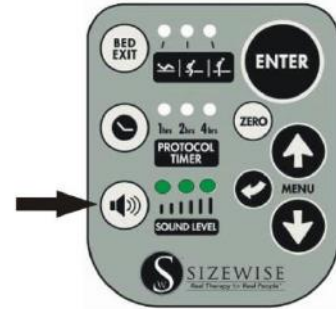
Press the sound level button once for low volume, twice for medium volume, and a third time for high volume. By pressing the sound level button for a fourth time, the sound level will be reset to low volume.



Low Volume



Medium Volume



High Volume

NOTE: When the bed exit alarm and protocol timer are disabled, the sound level indicator lights will be OFF. This indicates that the sound level has been disabled.

Setting the Time/Date

1. Access the Menu by pressing the UP or DOWN arrow until SYSTEM SETTINGS is highlighted and then press ENTER.



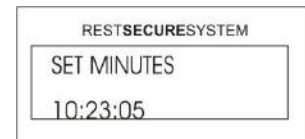
2. Select SET TIME/DATE and then press ENTER.



3. Using the UP or DOWN arrow, the user can now set the hours and then press ENTER. The time must be set in 24-hour clock. (13:00 = 1:00 pm)



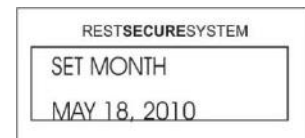
4. Using the UP or DOWN arrow, the user can now set the minutes and then press ENTER.



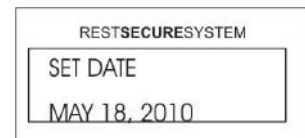
5. Using the UP or DOWN arrow the user can set the seconds and then press ENTER. This is an optional setting and may be bypassed by pressing ENTER.



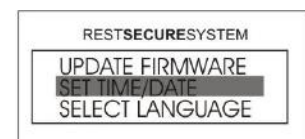
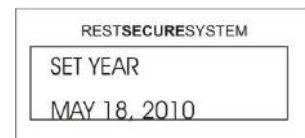
6. Using the UP or DOWN arrow the user can set the month and then press ENTER.



7. Using the UP or DOWN arrow the user can set the date and then press ENTER.



8. Using the UP or DOWN arrow the user can now set the year and then press ENTER. After pressing ENTER the user will return to the SET TIME/DATE menu. To get back to the Home Screen, press and hold the BACK button for 3 seconds.



Operating Instructions

Hand Control

These instructions are for the general functions of the bed; any special or unique functions will be referenced to in different sections of this manual.

Make sure that the bed is correctly positioned and connected to a grounded 120V AC outlet.



WARNING: Once the bed is positioned correctly, lock casters. Failure to do this could result in patient and/or user injury as well as damage to equipment or other property.

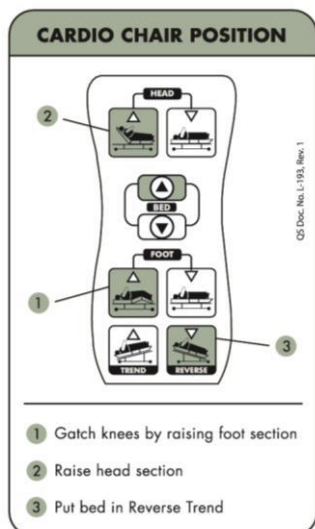
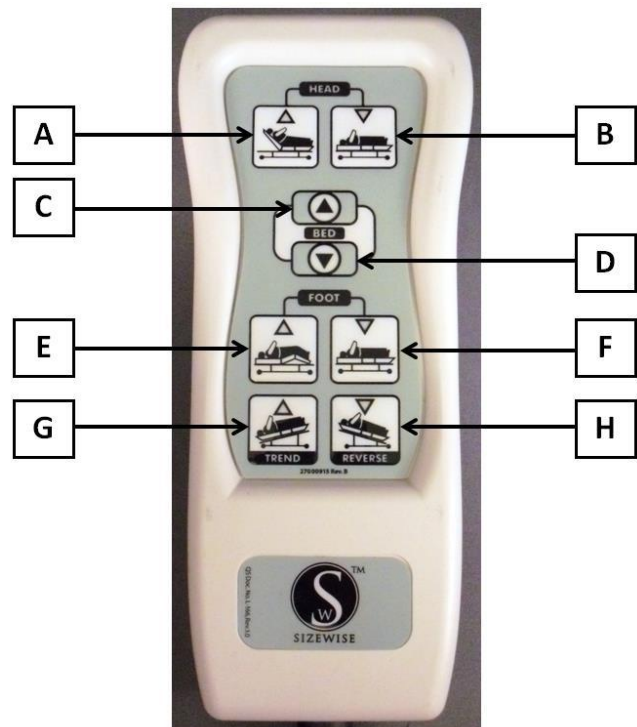


WARNING: Electrical shock or malfunction may occur if the hand control cord is pinched or frayed. Keep the cord away from moving parts.

Turn ON the bed by switching the “ON/OFF” switch, located on the Electronic Control Module.

The buttons perform the following operations:

- A. Raises the head section
- B. Lowers the head section
- C. Raises the bed
- D. Lowers the bed
- E. Gatches the knees
- F. Lowers the knees
- G. Trendelenburg (feet higher than head)
- H. Reverse Trendelenburg (head higher than feet)



NOTE: For Cardio Chair position follow the instruction on the back of the hand control.

Operation of Bed



WARNING: Failure to heed the warnings pertaining to the operation of the bed could result in patient and/or user injury as well as damage to equipment or other property.

Never work under the bed while it is in operation.

Casters will move/roll when the bed is in motion. Stand clear of the bed frame before operating.

Keep fingers and arms away from rotating parts when mechanisms are moving.

Operating this bed with any part of the body in the frame can result in injury. Stand clear of the bed frame before operating.

Stand clear of the bed during operation due to minimum floor clearance on all sides of the bed.

The bed is for indoor use only. Only operate the bed on a flat surface.

DO NOT use the bed near an open flame or an extreme heat source.

This bed is not intended for use in high moisture areas (e.g. showers, pool therapy), or extreme temperature environments.

Use only parts, accessories and adapters authorized by the manufacturer.

DO NOT use the bed with any unintentionally missing or abnormal parts.

Remove the hand control when the patient is unattended.



WARNING: Make sure all cords are properly positioned before operating the bed. Failure to do so could result in electrical shock and serious injury.

Never work on a bed while it is plugged into an electrical outlet.

DO NOT use the bed if the power cord is cut, frayed or loosely connected to the bed.

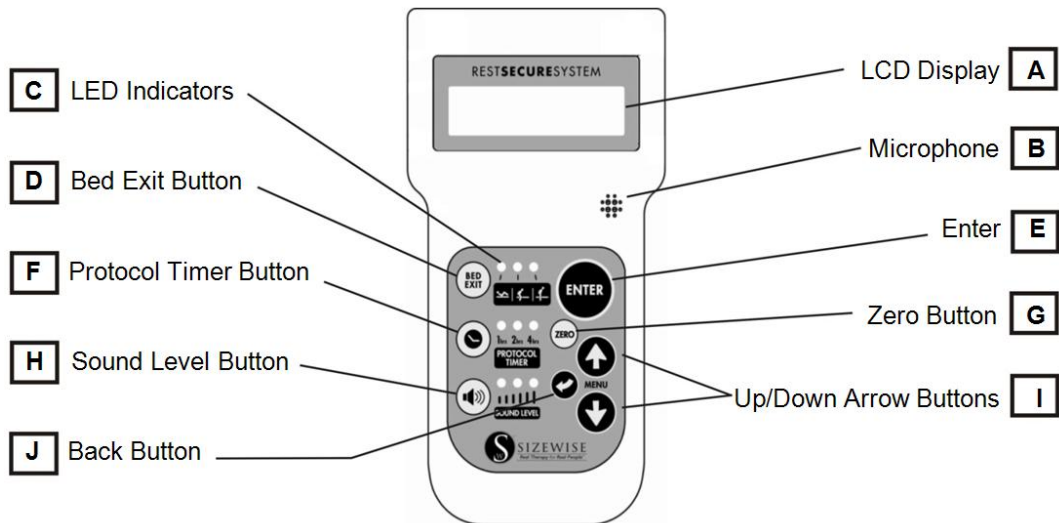
The bed is an electrically powered mechanism. Electrical hazard may occur if the bed is plugged into inadequate power supply. Make sure the bed is plugged into an 115V grounded outlet.



HAZARD: Never let fingers or other body parts come between moving parts when operating the bed. Doing so may cause a pinch or crush type injury.

Rest Secure Operating Instructions (optional)

Hand Control



The hand control has glow-in-the-dark features; in case of power outages operation is not impaired.

- A. **LCD Display** – Lighted display shows the weight and allows the navigation of on-screen menus.
- B. **Microphone** – Use to record a message for the voice alarm.
- C. **LED Indicators** – Green lights indicate what setting or function is selected.
- D. **Bed Exit Button** – Use to set the bed exit alarm.
- E. **Enter Button** – Use for making a selection when in the main and sub menus.
- F. **Protocol Timer Button** – Use to set the protocol reminder.
- G. **Zero Button** – Use for zeroing the scale and establishing the tare weight (base weight).
- H. **Sound Level Button** – Use for selecting low, medium and high volume.
- I. **Up/Down Arrow Menu Buttons** – Use for accessing the menu and making adjustments to menu items.
- J. **Back Button** – Press this button once to go to the previous menu or press and hold this button for 3 seconds at any time to go back to the Home Screen no matter what menu is displayed.

Bed Exit Alarm: Use Alarm

The bed exit alarm function on the SW Rest Secure System™ alerts the care provider that a patient is attempting to exit the bed or is in an immediate risk of falling. This is especially important in settings where continuous surveillance of the patient is not feasible.



WARNING: The bed is to be used in accordance with each facility's policies and procedures.

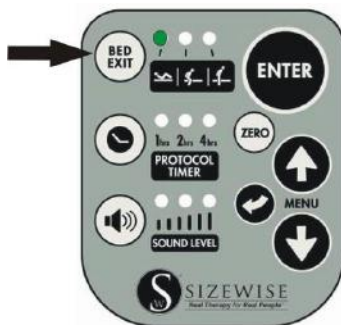
There are 3 bed exit alarm sensitivity settings:

High Sensitivity: Detects patient movement, typically this setting would be used by the care provider when needing to be notified of any movement, generally patients at very high risk for falls.

Medium Sensitivity: Detects a patient attempting to exit the bed, typically this setting would be used by the care provider in situations where the patient is at a moderate to high risk for falls.

Low Sensitivity: Detects when a patient has exited the bed. This setting would typically be used by the care provider in situations where the patient responds to verbal or audible commands and is at a lower risk for falls. If the patient is on an air support surface a lower sensitivity setting may be more appropriate as well.

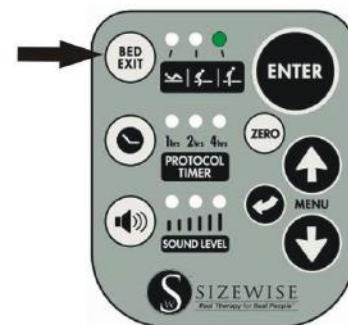
NOTE: High and medium sensitivity settings may detect other movement, such as air therapy mattresses.



High Sensitivity



Medium Sensitivity



Low Sensitivity

To set the bed exit alarm:

In order to set the bed exit alarm, the patient must be in the bed prior to selecting the desired sensitivity level. To set the alarm, press the BED EXIT button until the desired sensitivity is selected. When there are no indicator lights on, the alarm is disabled. When a bed exit alarm has been activated, simply press the ENTER button to reset the alarm and the monitoring process will be restored.

NOTE: The bed exit indicator light will blink for 10 seconds before the alarm will activate. Upon activation, the indicator will stay on. The bed exit alarm can only be activated with a minimum of 35 lbs. (16 kgs.) on the bed.

Scale System: Use Scale and Access Weight History

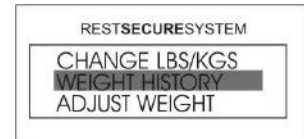
The Rest Secure System’s integrated scale helps reduce the risk of care provider or patient injury by allowing care providers to accurately record the weight of the patient without having to transport or move the patient each time the weight is needed. The scale system is set to weigh and record the patient’s weight automatically at midnight every day up to 30 days. This bed offers care providers convenience in attending to the patient.

Before a patient is placed into the bed, the scale should be zeroed out. See the section Unpacking and Set-Up Instructions Scale System: Zeroing the Scale on page 22.

1. Access the Menu by pressing the UP or DOWN arrow until SCALE SETTINGS is selected and then press ENTER.



2. Select WEIGHT HISTORY and then press ENTER.



3. Using the arrows, the user can toggle through the last 30 days of history. Press the BACK button twice to return to the Home Screen.



NOTE: The unit will only store the last 30 days of weight history. When the memory is full, it will begin replacing the older weight history readings first.

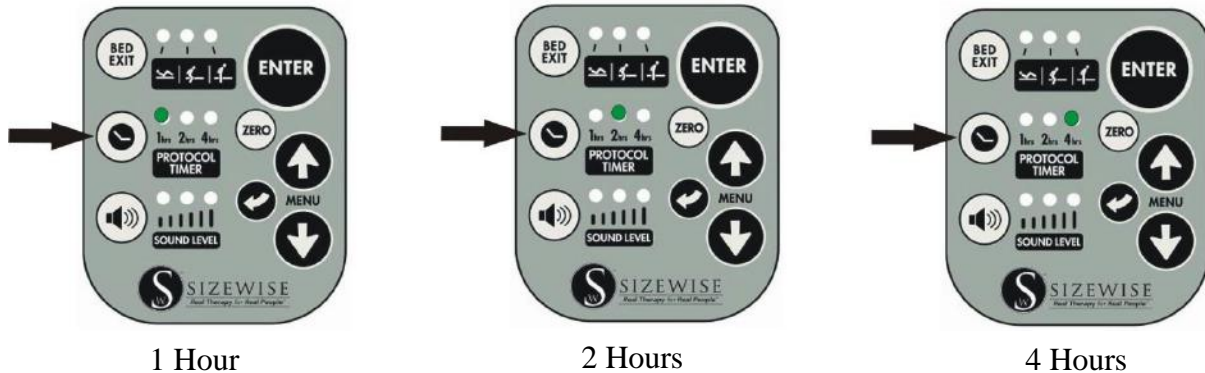
Protocol Timer: Using the Timer

The SW Rest Secure System™ protocol timer can be utilized to alert the care provider that the patient needs to be attended to or checked on at intervals of 1, 2 or 4 hours. The protocol timer has the capability to alert the care provider by an audible tone on the unit and, if connected to the Nurse Call Interface, can activate the nurse call signal.



WARNING: The bed is to be used in accordance with each facility's policies and procedures.

Press the PROTOCOL TIMER button once to set the timer to 1 hour, press it twice to set the timer to set to 2 hours, press it three times to set to 4 hours. By pressing the PROTOCOL TIMER button a fourth time, the timer will be disabled and no indicator lights will be lit. When a protocol alarm has been activated, simply press the ENTER button to reset the alarm and repeat the timing process.



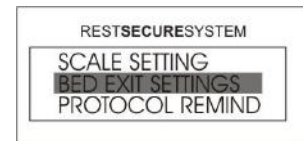
NOTE: On alarm, the unit must first be reset by pressing ENTER before the protocol timer can be changed.

The sound level on the protocol timer can be changed, see the section Unpacking and Set-Up Instructions Protocol Timer: Sound Level Setting on page 24 to learn how.

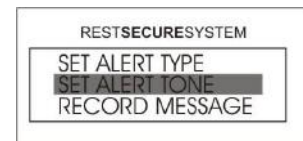
Bed Exit Alarm: Set Alert Tones

There are 5 different audible alarm tones for the bed exit alarm. The user will hear each of the different tones as they scroll through the 5 selections.

1. Access the Menu by pressing the UP or DOWN arrow until Bed EXIT SETTINGS is highlighted and then press ENTER.



2. Select SET ALERT TONE and then press ENTER.



3. Using the arrows, select one of the 5 tones and then press ENTER. The selection has now been completed and the user will return to the Home Screen.

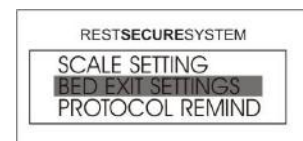


Bed Exit Alarm: Record Message

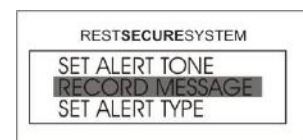
The Bed Exit Menu will allow you to change the alert type, alert tone, and also let you record a message to the patient so they are not startled by the tones of the bed exit alarm. This unit is also equipped with a Nurse Call Interface which will activate the nurse call whether the unit is set to alert tone or voice message.

NOTE: The unit must be connected to the interface in order for the nurse call to activate.

1. Access the Menu by pressing the UP or DOWN arrow until BED EXIT SETTINGS is highlighted and then press ENTER.



2. Select RECORD MESSAGE and then press ENTER.



3. Press and hold the ENTER button until the user hears a series of beeps. With the ENTER button still pressed, the user may begin to record a message by speaking directly into the microphone. The message can be recorded for a maximum length of 15 seconds. When the recording is finished, release the ENTER button and follow the on-screen prompts.



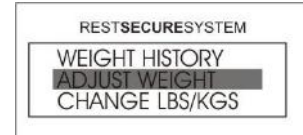
Scale System: Adjust Weight

This feature is designed to manually adjust the weight if items were added to the bed without using the Add/Remove option. The user will need to make sure the patient's weight is known before using this option.

1. Access the menu by pressing the UP or DOWN arrows until SCALE SETTINGS is highlighted and then press ENTER.



2. Select ADJUST WEIGHT and then press ENTER.



3. Adjust the weight that is added or removed from the bed in 0.5 lb. increments using the up or down arrow and then press ENTER. The user will now return to the Home Screen.

NOTE: The adjusted weight will return to 0.0 lb. when zeroing the scale as shown in the See the section Unpacking and Set-Up Instructions Scale System: Zeroing the Scale on page 22.

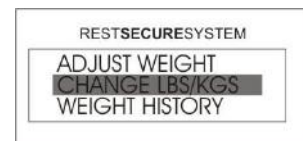
Scale System: Change LBS/KGS. Setting

This feature will allow the user to display the patient's weight in either pounds (lbs.) or kilograms (kgs.). The default for patient weight display is pounds (lbs.). This unit has a Lbs./Kgs. Lockout feature to prevent an accidental change of units (see the section Rest Secure Operating Instructions Scale System: Locking/Unlocking the Unit in Lbs./Kgs. on page 34 for instructions).

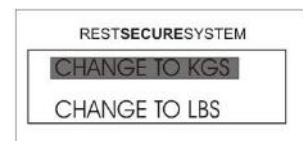
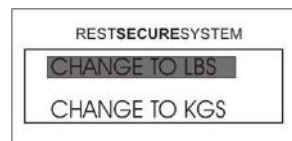
1. Access the menu by pressing the UP or DOWN arrows until SCALE SETTINGS is highlighted and then press ENTER.



2. Select CHANGE LBS/KGS and then press ENTER.



3. Select CHANGE TO KGS or CHANGE TO LBS and then press ENTER.



4. The unit will return to the Home Screen showing the weight in kilograms or pounds dependent upon which was chosen.



Scale System: Locking/Unlocking the Unit in LBS/KGS

As part of a safety feature, this unit has the ability to lock the unit of measure in lbs. or kgs. This will prevent accidentally changing the units in the Scale Settings menu.

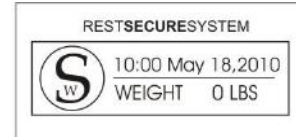
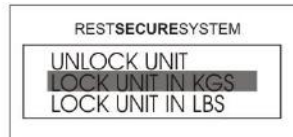
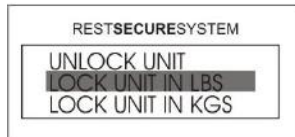
1. Access the menu by pressing the UP or DOWN arrow until SYSTEM SETTINGS is highlighted and then press ENTER.



2. Select LBS/KGS LOCK and then press ENTER.



3. Select the preferred unit of measure to lock and then press ENTER. The selection has been completed and the user will return to the Home Screen.



NOTE: Follow the directions in the section Rest Secure Operating Instructions Scale System: Change Lbs. /Kgs. Setting page 34 to change between lbs. and kgs.

Proper Use of the Bed



WARNING: Follow the instructions for assisting patients in and out of the bed to avoid a fall or injury to the patient and/or care provider.

To get in the bed, position the bed at the proper height by following these steps:

1. Lower the side rails as desired.
2. Have the patient stand next to the bed where he/she is planning to sit with the back of the patient's legs or buttocks next to the bed.
3. Using the hand control, raise or lower the entire bed, positioning the bed so the top of the mattress is even with the lower buttocks of the patient.
4. Have the patient sit on surface and recline comfortably.

To get out of the bed, position the bed at the proper height by following these steps:

1. Using the hand control raise or lower the entire bed.
2. Firmly plant feet on the ground.
3. Have patient slowly rise to standing position.

This will prevent the patient from “dropping” down onto the mattress, causing stress on the center joint of the bed.

It is not recommended to use the head or foot section functions to assist the patient in and out of the bed, damage to the bed may occur.

Reaching or Leaning



WARNING: Reaching or leaning affects the patient's center of balance. Follow the instructions for patients reaching or leaning from the bed to avoid a fall or injury to the patient and/or care provider.

Have the patient avoid reaching or leaning over the side of the bed. Have the patient ask for help or use a device to extend his/her reach.

Never allow the patient to reach with both hands. In doing so, the patient may not be able to catch himself or herself to prevent a fall.

If the patient must reach or lean from the bed, the patient should steady himself or herself by firmly grasping a side rail with one hand.

Side Rails

The side rails were tested to 60601-2-38 (28.4.102 and 28.4.103). These rails also have been tested and comply with patient entrapment rules and regulations (23.101). See Safety Tips Section on Bed Entrapment (page 48).



WARNING: Never try to move the bed by its side rails. The side rails may come loose or break. Move the bed by the by non-detachable parts on the main frame.

The detachable side rails are not designed to bear the full weight of the patient.

It is recommended to have the side rails upright at all times while the patient is in the bed. However, the ultimate decision lies with the medical personnel who are on site and can fully evaluate all factors.

An injury may occur if the side rail pins are not secured properly, or not in place, causing harm to the patient and/or care provider.

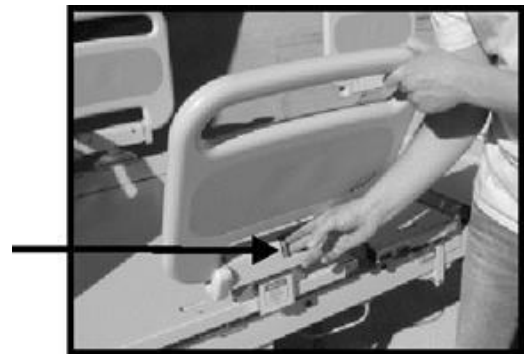
If the side rails are not secured in the proper place, entrapment to the patient may occur. Bed rail entrapment is a serious health risk that can result in serious injury or even death. Sizewise recommends the care provider be mindful of the FDA guidelines relevant to bed rail entrapment, as serious injury can result. These guidelines can be found on the FDA website. It is the care provider's ultimate decision whether or not to use bed side rails with the patient.

The side rails are intended to fold down and away from the bed. There are three positions for the side rails: upright, 45° and completely down.

To Fold Down:

With one hand, hold the top of the side rail and with the other hand push the green button (A) inward to lower the rail. Release the green button to lock the side rail in one of the three positions.

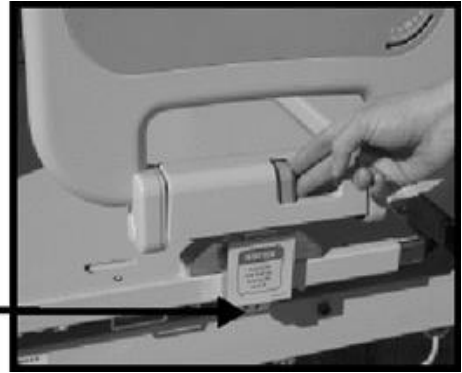
A



The side rails are attached to the top deck and designed to move with it.



WARNING: It is recommended to have the side rails upright at all times while the patient is in the bed. However, the ultimate decision lies with the medical personnel who are on site and can fully evaluate all factors.



To Remove:
Lock side rail in the upright position.

Remove the pin (B) below the mount. Then pull up on the side rail.



WARNING: It is recommended to have the side rails upright at all times while the patient is in the bed. However, the ultimate decision lies with the medical personnel who are on site and can fully evaluate all factors.

Never try to move the bed by the side rail. The side rails may come loose or break.

The side rails are not designed to bear the full weight of the patient.

The side rails were tested to 60601-2-38 (28.4.102 and 28.4.103). These rails also have been tested and comply with patient entrapment rules and regulations (23.101). See Safety Tips Section on Bed Entrapment (page 48).

Transfers



WARNING: Follow the instructions for transferring patients to avoid a fall or injury to the patient and/or care provider.

Transfers require good balance and agility and are very dangerous. The care provider should learn how to position the body and support himself or herself during a patient transfer.

The care provider should work with the patient's doctor, nurse or therapist to learn safe transfer methods.

Provide help to the patient until he or she knows what can cause a slip or fall and how to avoid doing so. Never let the patient maneuver into or out of the bed without assistance until it is confirmed that the patient can do so safely.

Position the bed at an elevation comfortable to the patient and/or care provider.

Bring the top deck to a flat position.

Lock brake and steer casters.

Lower the side rails.

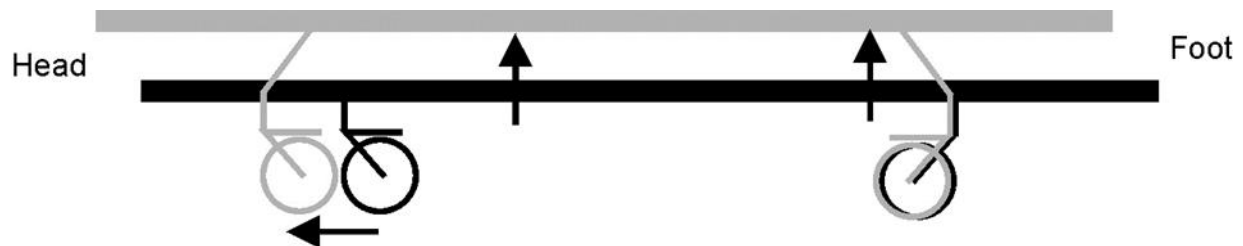
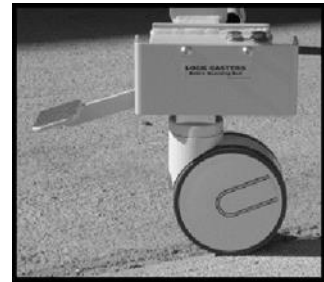
Make sure the equipment the patient is being transferred to is stable and will not slide away from the patient and/or care provider during the transfer.

Features

Casters

Head Section Casters

At the head section there are lock and steer casters. When locked, the bed can still maneuver but the casters will not swivel, this makes them the steering casters. Press down on the pedal to lock and lift up on the pedal to unlock. When one pedal on the head section caster is pressed or lifted both head section casters will be activated. Position the bed at least 12” from any walls. This will prevent any damage to the walls while the bed is in movement.



Foot Section Casters

At the foot section there are lock only casters. When locked, the bed cannot be moved. Press down on the pedal to lock and lift up on the pedal to unlock. When one pedal on the foot section caster is pressed or lifted both head section casters will be activated.



WARNING: While the patient is in the bed, it is recommended to lock the casters to reduce risk of injury to the patient and/or care provider.

To avoid and reduce risk of a tripping injury to the patient and/or care provider, align the casters with the bed.

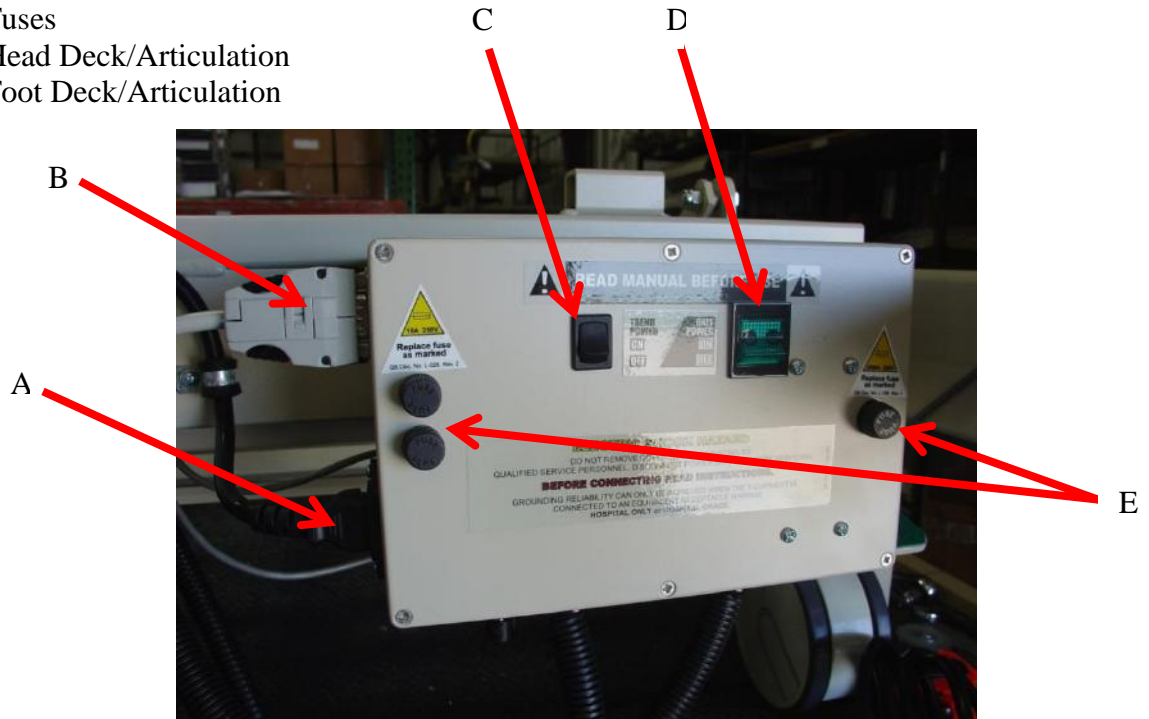
Position head end of the bed 12” from the wall to avoid damage to equipment or other property.

Connection of Electrical Components

Should it become necessary to remove any of the cables from the control box, the diagram below will assist in finding the appropriate cables.

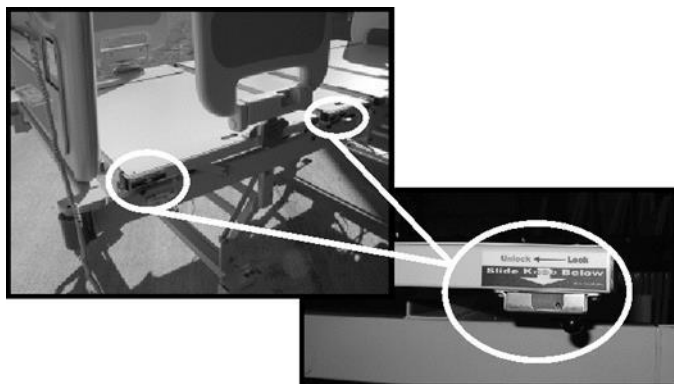
The diagram also indicates the fuse placement. Use 4 amp time delay fuses if they need to be replaced.

- A. Main Power
- B. Hand Control
- C. Trendelenburg ON/OFF
- D. Main Unit Power
- E. Fuses
- F. Head Deck/Articulation
- G. Foot Deck/Articulation



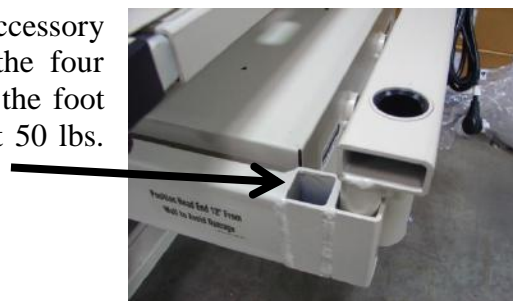
Expandable Bed Deck

To expand or retract the width of the bed, slide the release knob to the unlock position (the release knob is located directly below the label) and slide the deck to the desired width. Be sure the release knob moves back into the lock position. This will be required for all 8 sections of the top deck.



IV Pole

The IV pole can be placed in any of the four accessory attachment points on the bed. They are located at the four corners of the bed, two at the head section and two at the foot section. The weight capacity of the IV pole is rated at 50 lbs. (22 kg).



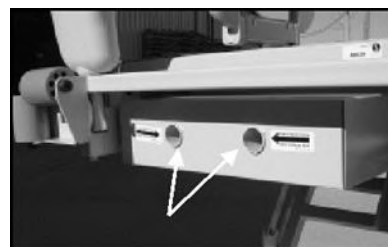
WARNING: If the weight capacity of the IV pole is exceeded, it could result in patient and/or user injury as well as damage to equipment or other property.

Manual Crank

The manual crank allows the user to operate the basic motor driven functions of the bed in case there is a power outage or an electrical/motor failure on the bed.

Select the hole in the end of the motor box for the desired function and insert the manual crank.

Rotate the manual crank until the desired bed position is achieved. Manual override of the motor should only be used in case of emergency.



NOTE: If the manual crank is used, the bed must be recalibrated to prevent damage to the actuators.

Remove the manual crank before operating the controls or using the bed.

Power Drive System

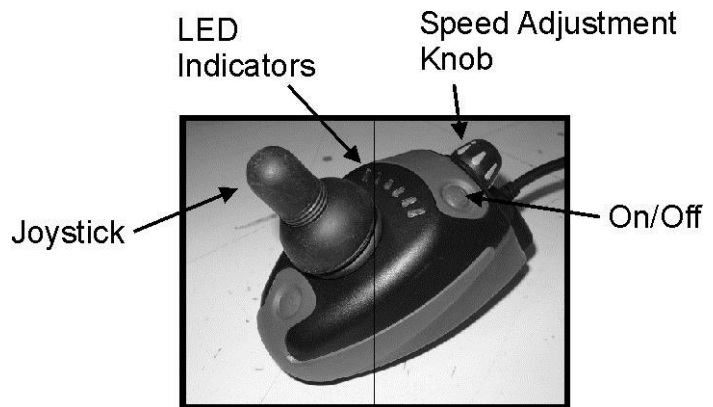


WARNING: The bed must be unplugged from the wall outlet before operating the power drive system. The power drive system should be operated **ONLY** by qualified staff and should remain in the **LOCKED** mode when not in use. Failure to understand the proper operation of the power drive system could result in patient and/or user injury as well as damage to equipment or other property.

Activating the Power Drive System

The bed must be in the lowest position for the power drive wheels to make contact with the floor. Use the bed hand controller to lower the bed by pressing the bed down arrow button.

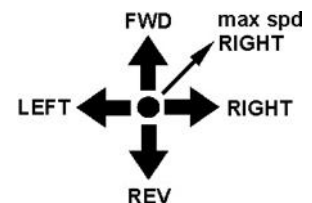
Stand behind the headboard to operate the power drive system. Press the ON/OFF button on the joystick, located on the headboard of the bed to turn the power drive ON. The LEDs will light up when the power is ON.



WARNING: If the joystick is not in the center position or neutral when the ON/OFF button is pressed, the joystick mechanism will not operate and an error will be indicated by all LEDs flashing slowly.

Before driving, be sure to set the speed to a comfortable level. To set the speed, adjust the knob accordingly. The slow speed is indicated by the smaller marks on the knob and the fast speed is indicated by the larger marks on the knob.

To operate the power drive system, stand behind the headboard section, locate the joystick and press the ON/OFF button to power the system. The LEDs will light up to indicate the power is ON. The drive is now ready for use. Stand behind the headboard to operate the power drive system. Press the ON/OFF button on the joystick, located on the headboard of the bed to turn the power drive ON. The LEDs will light up when the power is ON.



LED Indicators

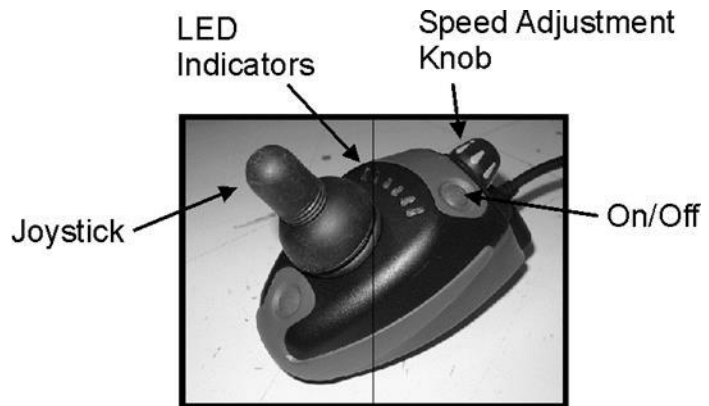
The indicator shows how charged the batteries are or if flashing a special circumstance with the system, such as charging, locked, etc.

Locking the Power Drive System

With system ON, press and hold the ON/OFF button until a series of beeps are heard and the unit turns OFF. The button may be pressed to turn unit ON but the LEDs will sweep from left to right for ten (10) seconds and turn OFF. The system will remain **LOCKED** until the **UNLOCK** sequence is initiated.

Unlocking the Power Drive System

Turn the unit ON and notice the sweep action of the LEDS. Press the HORN BUTTON two (2) times in ten (10) seconds. The LEDS will flash and be steady ON. The drive may be operated.



SW Scale Meter (optional)

The SW Scale Meter is an optional feature with a one touch patient weigh system. It is only available for the Bari Rehab Platform™.

NOTE: It is recommended to have the bed in the lowest position and casters locked in any direction when weighing.

Weighing the patient with the SW Scale Meter:

1. Turn on Scale and Display Weight

Press “On Weight”.

The meter turns off automatically after one minute.
The weight reading is not saved.

2. Zero Scale

Press and hold “On Weight” and “Zero”.

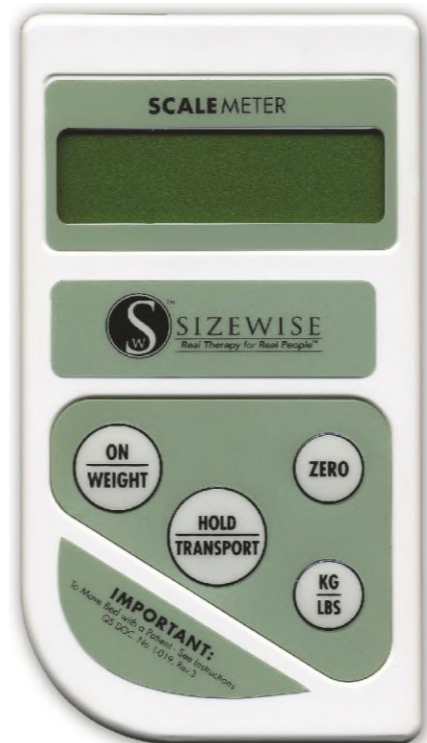
NOTE: Never “ZERO” the scale with the patient in the bed.

“RECALIBRATING ZERO SCALE: - 00 -” appears in the Display Window.
Release buttons and the scale is zeroed.

NOTE: The scale cannot be zeroed while in the kg mode.

3. Before Transport – Hold Weight Reading

Press “On Weight” to weigh the patient and display the weight.



Release “On Weight” and then press “Hold Transport” to preserve the original weight reading.

Adjustments may now be made to the bed or patient.

4. When Finished

Press “Hold Transport” to return to the original weight reading.

Release “Hold Transport” and then press “On Weight”.

NOTE: if left in “HOLD”, the scale will not turn off and the batteries will be drained.

5. To Change Unit of Measure

Press “KGS. LBS”.

The current unit of measure selected appears in bottom right of the display.

Tips for Safe Usage:

1. The bed must be out of Trendelenburg, Reverse Trendelenburg and Cardio Chair position when taking a patient’s weight for a more accurate reading.
2. The scale meter does not provide accurate readings past 5° Trend.
3. For the most accurate weight reading, casters should be parallel to bed frame and pointing towards the center of the bed.
4. Leave the scale meter in its holder when weighing the patient.
5. DO NOT lean on the bed when weighing the patient.
6. Use the “HOLD” button function when adding or subtracting items from the bed. The “HOLD” feature must also be used when moving the bed.

Power Drive Instructions:

When using a bed with a power drive system check that drive system wheels (located in the center of the bed) are NOT resting on the floor. To raise power drive wheels, raise the bed platform.

Serial Number Location

The bed has a manufacturer serial number, and a Sizewise Rentals LLC serial number. The serial numbers are located at the foot of the bed by the Electrical Control Module.

Manufacturer Serial Number



Sizewise Serial Number



Trapeze Assembly

This trapeze is rated with an 850 lb. /385 kg. weight capacity.



WARNING: If the weight capacity of the trapeze is exceeded, it could result in patient and/or user injury as well as damage to equipment or other property.



HAZARD: Pay close attention to pinch points on the bed to avoid injury to the patient and/or care provider.



WARNING: Do not attempt to install, perform maintenance, or use this product without first reading and understanding these instructions and accompanying documents such as, the User Manual, Technical Manual, and Work Instructions. If you do not understand these instructions, or the following applicable warnings and cautions, contact Sizewise at 1-800-814-9389.



WARNING: Do not attempt to install, repair, or remove the trapeze, single pole patient assist, or any other overhead components/devices while bed is occupied.



WARNING: Before positioning patient on bed, verify all components are secure after adjustments, repairs, or servicing of the trapeze, single pole patient assist, or any other overhead components/devices.



WARNING: Use only parts, accessories and adapters authorized by Sizewise.

Tools required for assembly:
2-9/16" wrenches

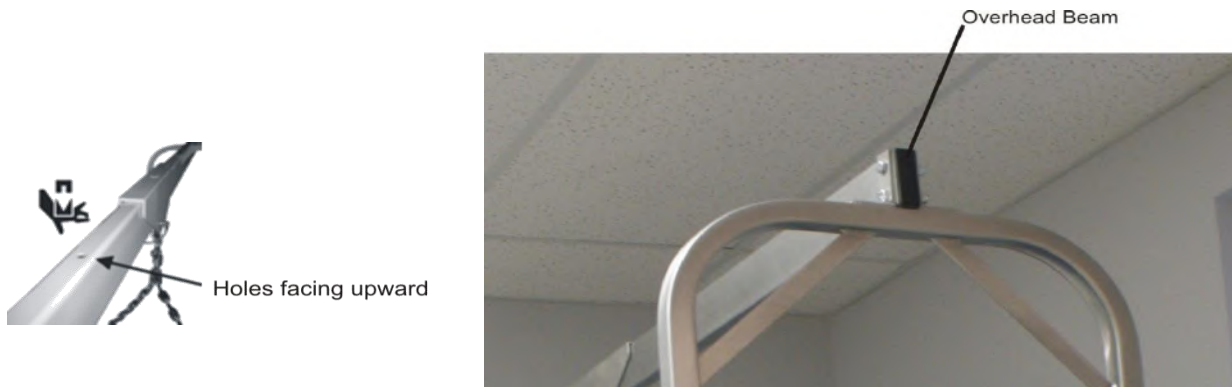


1. Attach the end posts into the appropriate brackets on the head and foot sections of the bed.
2. Place the overhead beam into the slots on top of each end post.



NOTE: Be sure to place the holes facing upward on the overhead beam.

3. Insert the four 3/8” bolts (2 on each side) and tighten the nuts using a 9/16 wrench.



4. Attach the sliding saddle to the overhead beam. Move the saddle until the pin is secured into one of the holes on the overhead beam.
5. Place the Clevis Pin through the sliding saddle, securing the chain between the two sides of the saddle, as shown in the picture.



6. After securing the trapeze bar, the saddle can be repositioned into the appropriate location without removing the Clevis Pin.



Trendelenburg Disabling

To disable the Trendelenburg function on the hand control, turn switch (A) on the ECM, to the OFF position. This will prevent the patient from using the function when they should not. The ECM is located at the head of the bed and it is mounted to the frame.

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. Sizewise recommends the use of bed rails if they are available. There are seven zones of bed rail entrapment.



WARNING: Bed rail entrapment is a serious health risk that can result in serious injury or even death. Sizewise 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. When using an Air Therapy system the care provider is responsible for ensuring the mattress properly fits the bed frame. It is also the care provider's ultimate decision whether or not to use bed rails with the patient.

Zone 1: Within the Rail

Zone 2: Under the Rail, Between the Rail Supports or Next to a Single Rail Support

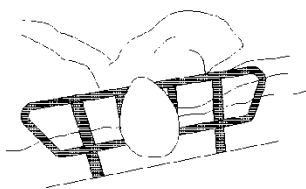
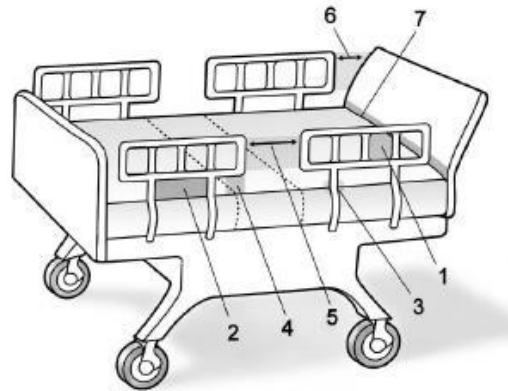
Zone 3: Between the Rail and the Mattress

Zone 4: Under the Rail, at the Ends of the Rail

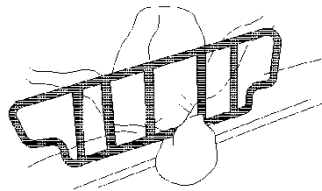
Zone 5: Between Split Bed Rails

Zone 6: Between the End of the Rail and the Side Edge of the Head or Footboard

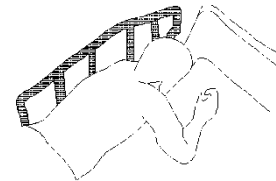
Zone 7: Between the Head or Footboard and the Mattress End



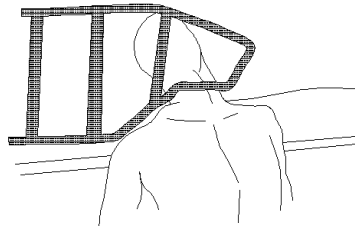
Zone One



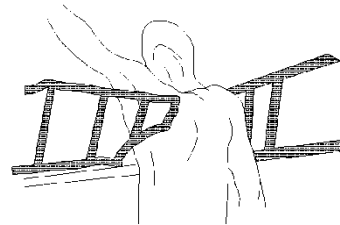
Zone Two



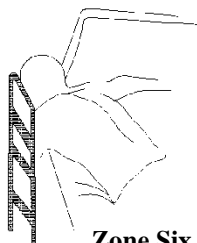
Zone Three



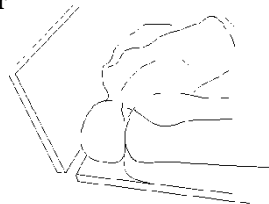
Zone Four



Zone Five

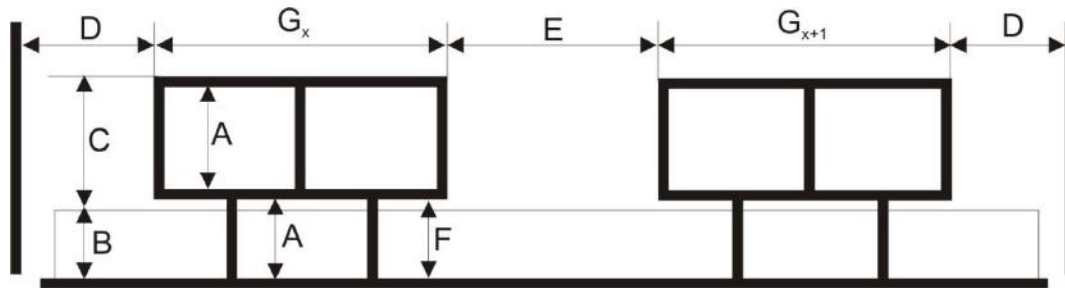


Zone Six



Zone Seven

This bed complies with IEC 60601-2-38 standard for bed rail entrapment. Below are the specifications of that standard. This was taken from the 60601-2-38 Amend. 1 IEC 1999.



DESIGNATOR	DESCRIPTION	DIMENSION	
A	Smallest dimension between elements inside the perimeter of the SIDE RAIL in its raised/locked positions or perimeters created between the SIDE RAIL and fixed parts of the BED.	≤ 120 mm	
B	Thickness of NORMAL USE mattress.	Specified by the manufacturer	
C	Height of the top edge of the SIDE RAIL above the mattress (see B) without compression.	> 220 mm	
D	Distance between HEAD PANEL or FOOT PANEL and SIDE RAIL	≤ 60 mm Or > 235 mm	
E	Distance between segmented SIDE RAIL with the MATTRESS SUPPORT PLATFORM in the flat position	≤ 60 mm Or > 235 mm	
F	Smallest dimension of any accessible opening between the SIDE RAIL and the MATTRESS SUPPORT PLATFORM.	If D or E > 235 mm then $F \leq 60$ mm	If D or E ≤ 60 mm then $F \leq 120$ mm
G	Total length of the SIDE RAIL or sum of the length of segmented SIDE RAILS on one side of the BED.	$\sum G_x >$ half the length of the MATTRESS SUPPORT PLATFORM	

Safety Tips

Electrical Leakage Test Point



CAUTION: If the ground is not properly connected to the electrical leakage test point a false reading may occur.

In the event the electrical leakage test is done, the proper location for this test is on the main frame at the head section by the ECM box. Labeling on the main frame will indicate proper location.



Acceptable Levels of Leakage Current

Allowable limits for leakage current measurements for medical devices depend upon function and intentional contact with patient. Limits are required for UL 60601-01, IEC 60601-1 and CSA C22.2 No. 601.1. The maximum allowed leakage readings for the Bari Rehab Platform 2™ is 300 micro amps.

Electromagnetic Compatibility (EMC)

The Bari Rehab Platform 2™ and SW Rest Secure System™ have been tested for compliance with the EMC requirements. The guidelines in this section will help to ensure the medical equipment will meet the requirements of the standard.



WARNING: Medical equipment should not be used, stacked or located on or around equipment that may create electromagnetic interferences.

Emissions

The Bari Rehab Platform 2™ and SW Rest Secure System™ been type tested and have passed the requirements of CISPR 11. Observe the following recommendations to minimize radio frequency emissions in this section and the Electromagnetic Interference section.

Immunity

The Bari Rehab Platform 2™ and SW Rest Secure System™ have been stringently tested for susceptibility to electromagnetic radiation over the frequency range 80 MHz to 2.5 GHz. The test was conducted on this bed and passed the requirements of IEC 61000-4-3.

All pins of connectors have passed ESD testing.

List of Cables and Accessories

Replacement parts, such as cables and accessories, must be purchased through Sizewise to ensure proper compliance requirements.



WARNING: Using other manufacturer’s cables and accessories may affect EMC performance. Unauthorized use of these items will void warranty and could result in patient and/or user injury as well as damage to equipment or other property.

The use of cables or accessories other than those for which the bed was designed or tested can significantly degrade emissions and immunity performance.

Cables and Accessories	Specifications and Requirements
Hand Control	Length: 9.51 feet (2.9 meters) 105°C (221°F) 24 AWG Strand PVC Insulated Standards: UL AWM Style 2464, NEC Type CMG/cUL CEC Type CMG FT4, CSA AWM I A, EU CE
Power Cord	Hospital Grade Length: 16 feet (4.88 meters) SJT 16/3C 60°C (140°F) End Types: YP-18L-2 and YC-12 UL and CSA certified 3 prong IEC C13 power cord receptacle. Built to the IEC 60320-C13 standard. Rated 13A 125V/250V. This IEC C13 power cord receptacle is fully molded with a low profile ergonomic design and fully RoHS and REACH compliant.
Coiled Cord (RSS)	US Plug 6P6C, Gold Plated 3u” 28 AWG (7/0.12BC)*6C+Jacket Curve Length 1ft, 3ft L: (1ft*Æ13)+105+105mm OD: 3.5mm RoHS Compliant

Electromagnetic Interference (EMI)

The Bari Rehab Platform 2™ and SW Rest Secure System™ have been tested and are intended for safe use with other components compliant to IEC 601 standards for medical devices. The Bari Rehab Platform 2™ and SW Rest Secure System™ can cause interference with non-601 regulated equipment and/or other non-601 regulated equipment can cause interference with The Bari Rehab Platform 2™, and SW Rest Secure System™. This section is in accordance with IEC 60601-1-2 section 5.2.2.



WARNING: Radio wave sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones can affect this bed. Following the warnings listed for electromagnetic interference should reduce the chance of the bed’s unintended movement that could result in serious injury.

DO NOT turn ON hand-held personal communication devices, such as citizens band (CB) radios and cellular phones while the bed is turned ON.

Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them.

If unintended movement occurs, turn the bed OFF as soon as it is safe.

Adding accessories, components or modifying this bed may make it more susceptible to interference from radio wave sources (there is no easy way to evaluate their effect on the overall immunity of the bed).

Report all incidences of unintended movement to the bed's manufacturer and note whether there is a radio wave source nearby.



CAUTION: It is very important to read the information regarding the possible effects of electromagnetic interference on the Bari Rehab Platform 2™ and Rest Secure System™.

Electromagnetic Interference (EMI) from Radio Wave Sources

The Bari Rehab Platform 2™ and SW Rest Secure System™ have been tested and are intended for safe use with other components compliant to IEC 601 standards for medical devices. The Bari Rehab Platform 2™ and SW Rest Secure System™ may be susceptible to electromagnetic interference (EMI), which is energy that is reflected or emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones in the form of electrical and magnetic waves that travel through space. The interference (from radio wave sources) is not likely but in extreme circumstances can cause this bed to move by itself or move in unintended directions. It can also permanently damage the bed's control system. The intensity of the interfering EMI energy can be measured in volts per meter (V/m). The bed can resist EMI up to certain intensity. This is called its "immunity level".

GUIDANCE AND MANUFACTURER'S DECLARATION

Company: Wheelchairs of Kansas
Model: Mighty Rest™ Bed / Sizewise
Control Number: 3107769

**Table 201 Guidance and Manufacturer’s Declaration – Emissions
Equipment and Systems that are NOT Life-Supporting**

The Bari Rehab Platform 2™ and SW Rest Secure System™ are intended for use in the electromagnetic environment specified below. The customer, or user, of the bed should ensure that it is used in such an environment.

Emissions Test	Compliance	Electromagnetic Environment Guidance
RF Emissions CISPR 11	Group 2	The bed must emit electromagnetic energy in order to perform its intended function. Nearby electronic equipment may be affected. The bed and RSS are suitable for use in all establishments other than domestic and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
RF Emissions CISPR 11	Class B	
Harmonics Emissions IEC 61000-3-2	Class A	
Voltage Fluctuations/ Flicker IEC 61000-3-3	Complies	

**Table 202 Guidance and Manufacturer’s Declaration – Immunity
All Equipment and Systems**

The Bari Rehab Platform 2™ and SW Rest Secure System™ are intended for use in the electromagnetic environment specified below. The customer, or user, of The Bari Rehab Platform 2™ and SW Rest Secure System™ should ensure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
ESD IEC 61000-4-2	±6kV Contact ±8kV Air	A	Floors should be wood, concrete or ceramic tile. If floors are synthetic, the r/h should be at least 30%.
EFT IEC 61000-4-4	±2kV Mains ±1kV I/Os	A	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1kV Differential ±2kV Common	A	Mains power quality should be that of a typical commercial or hospital environment.
Voltage Dips/Dropout IEC 61000-4-11	>95% Dip for 0.5 Cycle 60% Dip for 5 Cycles 30% Dip for 25 Cycles >95% Dip for 5 seconds	A	Mains power quality should be that of a typical commercial or hospital environment. If the user of the bed requires continued operation during power mains interruptions, it is recommended that the bed be powered from an uninterruptable power supply or battery.
Power Frequency 50-60Hz Magnetic Field IEC 61000-4-8	3A/m	A	Power frequency magnetic fields should be that of a typical commercial or hospital environment.

Table 204 Guidance and Manufacturer’s Declaration – Immunity Equipment and Systems that are NOT Life-Supporting

The Bari Rehab Platform 2™ and SW Rest Secure System™ are intended for use in the electromagnetic environment specified below. The customer, or user, of the bed should ensure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	(V1)Vrms = 3	Portable and mobile communications equipment should be separated from the bed by no less than the distances calculated/listed below:
			D=(3.5/V1)(Sqrt P)
			D=(3.5/V1)(Sqrt P) 80 to 800 MHz
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	(E1)V/m = 3	D=(7/V1)(Sqrt P) 800 MHz to 2.5 GHz
			Where P is the max power in watts and D is the recommended separation distance in meters.
			Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V1 and E1).
			Interference may occur in the vicinity of equipment containing a transmitter.

Table 206 Recommended Separation Distances between portable and mobile RG Communications equipment and bed.

Equipment and Systems that are NOT Life-Supporting

Recommended Separations Distances for The Bari Rehab Platform 2™ and SW Rest Secure System™: The Bari Rehab Platform 2™ and SW Rest Secure System™ are intended for use in the electromagnetic environment in which radiated disturbances are controlled. The customer, or user, of The Bari Rehab Platform 2™ and SW Rest Secure System™ can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF Communications Equipment and the bed, as recommended below, according to the maximum output power of the communications equipment.

$D=(3.5/\sqrt{P})(\sqrt{P})$

$D=(3.5/E1)(\sqrt{P})$

80 to 800 MHz

$D=(7/E1)(\sqrt{P})$

800 MHz to 2.5 GHz

Compliance Level	Cond RF 3	Rad RF-800 MHz 3	Rad RF – 2.5 GHz
0.01	0.12	0.12	0.23
0.1	0.37	0.37	0.74
1	1.17	1.17	2.33
10	3.69	3.69	7.38
100	11.67	11.67	23.33

Table 208 Guidance and Manufacturer’s Declaration – Electromagnetic Immunity Equipment and Systems that are NOT Life-Supporting

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

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms	The bed may be used in shielded or unshielded locations. Each cable that enters a shielded location must meet the minimum FR Filter requirements.
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	Field strengths outside the shielded location from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than 3 V/m.

General Safety



WARNING: The bed is to be used in accordance with each facility's policies and procedures.



CAUTION: Possible fire hazard when used with oxygen administering equipment other than the nasal, mask or 1/2 bed length type tent. Oxygen tent should not extend below the mattress support level. Lock hand control at foot of bed when using oxygen administering equipment.



WARNING: Electric shock may occur when plugging the bed into the wall outlet. Use ONLY grounded or hospital grade outlets.

DO NOT use the bed if the power cord is cut, frayed or loosely connected to the bed.

Pinch Point

Watch for pinch points on the bed, which are indicated by the pinch point label.



HAZARD: Pay close attention to pinch points on the bed to avoid injury to the patient and/or care provider.

Pinch points have minimal clearances between two moving parts that fail to maintain a clearance of $\leq 8\text{mm}$ or $\geq 25\text{mm}$.

Pinch points are present on both sides of the bed between the bed and the ground.



Pinch points are present between the mattress stop bar and footboard.



Pinch points are present near the casters and when the casters move as the bed is raised or lowered.



Pinch points are also present between the side rail and the floor.

Transport



WARNING: During transport, use caution so the bed does not tip or overbalance. Failure to do so could result in patient and/or user injury as well as damage to equipment or other property.



CAUTION: The bed needs to be stored, transported and operated in a temperature range of -5°C to 45°C (23°F to 113°F).

DO NOT expose the bed to humidity greater than 95%.

It is not recommended to transport a patient when the bed is in the Trendelenburg or Reverse Trendelenburg positions. When the bed is in Trendelenburg or Reverse Trendelenburg, the position of the castors is modified to prevent movement and/or accidental tipping of the bed.

Generally, as the load increases, the risk of instability goes up.

Lower the foot section and head section to increase stability.

Lower the bed deck height approximately 14"-20" from the floor to increase stability.

Use and position of accessories may affect stability. DO NOT overextend IV poles or similar accessories and DO NOT overload accessories. If multiple accessories are in use, distribute them evenly from side to side or head to foot.

For inclines or thresholds, approach them moving forward or backwards, rather than sideways.

To help prevent overbalance or collision with hidden objects or people, DO NOT make sharp turns or turn the bed at high speeds.

The bed complies with the 60601 Threshold Test (21.6.102) and will go over a rectangular cross-section 20 mm high and 80 mm deep.

Cleaning Instructions



WARNING: Before cleaning the bed, be sure to disconnect it from the wall outlet (power source). Failure to do so could result in electrical shock and could result in patient and/or user injury as well as damage to equipment or other property.

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.

Recommended EPA Registered Disinfectants:

Wex-Cide 128 (Wexford Labs), EPA Reg. #34810-31

Equipment must be disinfected using an EPA registered, hospital-grade disinfectant, according to the manufacturer's recommendations for use.

Recommended Stain Remover(s):

Stain Away (ABC Compounding)

This stain remover is effective in removing most difficult stains and is intended to be used in its original concentration.

***Clostridium difficile* (C. diff) Prevention:**

Clorox Germicidal Wipes (Clorox Professional Products Company), EPA Reg. #67619-12

These pre-moistened wipes meet the CDC's recommendations for *Clostridium difficile* (C.diff) bacteria, after the manufacturer's recommended "wet contact time".

1. Perform hand hygiene using soap and warm water, or hand sanitizer, and then put on disposable gloves and eye protection.
2. Use wipes to wipe the top and front of head/footboards, hand controls and cords, side rails and mattress top cover, making sure to wipe between the mattress and side rails.
3. Change wipes often to ensure that surfaces remain wet with disinfectant for the manufacturer's required contact time. Used wipes are to be discarded in the trash.
4. Remove disposable gloves and discard in the trash; perform hand hygiene using soap and warm water, or hand sanitizer, and then remove eye protection.

To reduce the discoloration of fabrics and degradation of the sleep surface lining, surfaces must be thoroughly rinsed with clean, fresh water to remove chemical residues immediately after the manufacturer's recommended "wet contact time" has been reached. The use of bleach-based solutions must be avoided whenever possible.

General Patient Room Cleaning/Disinfecting

Personal Protective Equipment should always be used as directed by the Material Safety Data Sheet for the disinfectant.

Prepare the disinfectant according to the manufacturer's recommendations.

Prepare a separate bucket of warm, fresh water to be used for rinsing the equipment after cleaning/disinfecting procedures are completed as instructed.

Inspect sleep surface for attachment straps that may be securing the sleep surface to the bed top deck and disconnect attachment straps.

For any active therapy based sleep surface, disconnect hoses from the control unit to prevent damage to control unit or hose connections.

Remove sleep surface from the bed to gain full access to bed top deck and internal surfaces of headboards, footboards and side rails.

Raise all bed functions to the highest position for easy access to all surfaces.

- Bed to highest position
- Head articulation to highest position
- Foot articulation to highest position

Disconnect the bed from all electrical power to avoid electrical shock.

All bed frame surfaces are to be wiped using a coarse cloth, dampened with the disinfectant solution, prepared as directed by the manufacturer's recommendations, to remove organic material and visible soil.

When cleaning components, such as hand and/or foot controls and areas where there are electrical connections and components, avoid excessive moisture to prevent damage.

Allow all bed surfaces to remain wet with disinfectant solution for the manufacturer's recommended contact time.

Rinse all surfaces with a clean cloth dampened with fresh water to remove chemical and organic residue.

After cleaning, all surfaces are to be wiped with a clean, dry cloth to remove any moisture or residue.

NOTE: Additional cleaning may be completed, as desired, with a mild soap solution and/or household cleaning products. Avoid using harsh chemicals, such as acetone or paint thinner, as they will damage the finish of the paint.

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, hand and/or footboard 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, all surfaces are to be wiped with a clean, dry cloth to remove any moisture or residue.

Scale System Components

All surfaces of the scale meter and the coiled cord are to be wiped using a coarse cloth, dampened with the disinfectant solution, prepared as directed by the manufacturer's recommendations, to remove organic material and visible soil.

Avoid excessive moisture to prevent damage.

Allow the scale meter and coiled cord to remain wet with disinfectant solution for the manufacturer's recommended contact time.

Rinse all surfaces of the scale meter with a clean cloth dampened with fresh water to remove chemical and organic residue.

After cleaning, all surfaces are to be wiped with a clean, dry cloth to remove any moisture or residue.

Bed Electronics and Hand Controls

Electronic components (Electrical Control Module, electrical connections and motor box covers and hand controls) are to be wiped using a coarse cloth, dampened with the disinfectant solution, prepared as directed by the manufacturer's recommendations, to remove organic material and visible soil.

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, dry cloth to remove any moisture or residue.

Sleep Surfaces (Including Mattress Bases and Top Covers)

NOTE: The use of bleach-based products/solutions will provide a higher concentration of the agent than is required to eliminate the bacteria and will increase the potential for damage to the fabric and the built-in protective barrier to fluid of the sleep surface.

NOTE: To reduce the discoloration of the sleep surface lining, surfaces must be thoroughly rinsed with clean, fresh water to remove chemical residues immediately after the required “wet contact time” has been reached.

1. Personal Protective Equipment should be used as directed by the Material Safety Data Sheet for the disinfectant.
2. Prepare the disinfectant according to the manufacturer’s recommendations.
3. Inspect sleep surface for attachment straps that may be securing the sleep surface to the bed top deck and disconnect attachment straps.
4. For any control unit based sleep surface, turn OFF the control unit and disconnect from electrical power. Disconnect hoses from control unit to prevent damage to control unit or hose connections.
5. All surfaces of the mattress are to be wiped using a coarse cloth, dampened with the disinfectant, prepared as directed by the manufacturer’s recommendations, to remove organic material and visible soil. When cleaning the mattress, special attention is to be given to sewn seams and folds in mattress fabrics.
6. Allow the mattress to remain wet with disinfectant solution for the manufacturer’s recommended contact time.
7. Stains on the mattress may be treated using a mild stain remover, according to the manufacturer’s recommendations, using a soft bristled brush.
8. Rinse all surfaces of the mattress with fresh water and clean cloth to remove chemical and organic residue.
9. After cleaning, all surfaces are to be wiped with a clean, dry cloth to remove any moisture or residue and allowed to air dry.

Control Unit and Hand Control (if equipped)

NOTE: Hand clean only. DO NOT place in sterilization room or chamber.

1. Personal Protective Equipment should be used as directed by the Material Safety Data Sheet for the disinfectant.
2. Prepare the disinfectant according to the manufacturer’s recommendations.
3. Turn OFF the control unit and disconnect it from all electrical power to avoid electrical shock.
4. When cleaning the control unit, avoid excessive moisture especially in areas where there are electrical connections and components, to prevent damage.
5. All surfaces of the control unit and the power cord are to be wiped using a coarse cloth, dampened with the disinfectant solution, prepared as directed by the manufacturer’s recommendations, to remove organic material and visible soil.
6. Allow the control unit to remain wet with disinfectant solution for the manufacturer’s recommended contact time.

7. Rinse all surfaces of the control unit with fresh water and use a clean cloth to remove chemical and organic residue.
8. After cleaning, all surfaces are to be dried with a clean, dry cloth.

Control unit air filters must be cleaned weekly. Replacement of the control unit air filter is recommended every 6 months.

1. Remove the air filter located on the back of the control unit.
2. Clean with prepared disinfectant solution and allow to air dry.
3. Reinstall the filter when dry.

Laundry Instructions

If additional cleaning is necessary, top covers may be removed and laundered using standard hospital disinfectant/detergent. **DO NOT use temperatures in excess of 120°F (49°C).**

1. Set washing machine to Regular Cycle.
2. Pre-soak with disinfectant/detergent in cold water for 10 minutes. **DO NOT USE HARSH SOLVENTS OR CLEANERS.**
3. Main wash cycle: 15 minutes, time dependent on soil level.
4. Rinse cycle: 5 minutes, minimum.
5. Spin/Drain cycle: 5 minutes, minimum.

After washing, the mattress top cover is to be air dried or dried in a dryer at very low or no heat to protect it from heat related damage.

Air Therapy Internal Mattress Components

1. Prepare the disinfectant according to the manufacturer's recommendations.
2. Prepare a separate bucket of warm, fresh water to be used for rinsing the equipment after cleaning/disinfecting procedures are completed as instructed.
3. Using a clean cloth dampened with the disinfectant solution, wipe all internal mattress surfaces, including the air cells, and allow to remain wet for the manufacturer's recommended contact time.
4. Rinse all surfaces of the air cells with fresh water and clean cloth to remove chemical and organic residue.
5. After cleaning, dry the internal air cells with a clean, dry cloth.
6. After all mattress components are dry, reinstall the top cover.
7. Store the mattress in a clean environment until the next use.

NOTE: Only the outer cover of the mattress requires cleaning and maintenance. Disassembly of the support surface for the maintenance of internal components is not recommended. **DO NOT** use harsh solvents or cleaners. Special care should be used to not puncture the mattress with needles or sharp instruments. This may result in loss of integrity of the mattress cover or internal components.

Optional Accessories

Full-Frame Trapeze

The entire frame of the trapeze is to be wiped using a coarse cloth, dampened with the disinfectant solution, prepared as directed by the manufacturer's recommendations, to remove organic material and visible dirt.

Allow the trapeze to remain wet with disinfectant solution for the manufacturer's recommended contact time.

Rinse the trapeze with a clean cloth dampened with fresh water to remove chemical and organic residue.

After cleaning, all surfaces are to be wiped with a clean, dry cloth to remove any moisture or residue.

If necessary, the trapeze frame may be steam cleaned.

Cleaning Blood and Other Excretions:

Blood and other excretions should be wiped up while wet, if possible. These substances are more difficult to remove once they have dried to surfaces. Dried blood and other excretions are to be removed using ample disinfectant solution in order to moisten the substance and make it easier to clean.

Maintenance



CAUTION: The bed requires regular maintenance to uphold performance and avoid premature wear, damage and injury.

Check the items on this chart at the indicated intervals. If any of the items are loose, worn, bent or distorted, immediately have them checked and/or repaired by an authorized Sizewise Technician. Frequent maintenance and servicing will improve performance between each use and extend bed life. For long term use, the following maintenance chart should be followed:

	Three Months	Six Months
Bari Rehab Platform 2™		
Side Rails		X
Fasteners	X	
Frame		X
Foam Mattress		X
Casters	X	
Hand Control	X	
Actuators	X	
Power Cords	X	
SW Rest Secure System™		
Fasteners	X	
Frame		X
Case		X
Batteries	X	
Power Cords	X	

The following is an equipment safety checklist that can be used with the maintenance chart to maintain and service this product:

- Make sure the bed operates easily and freely and all parts work smoothly.
- Check for excess noise, vibration or a change in ease of use. These may be signs of a problem such as a need for lubrication, loose fasteners or damage to the bed.
- Plug bed into AC power.
- Verify each function operates fully on the hand control.
- Ensure side rails are installed and lock properly.
- Ensure brake/steer casters lock in place.
- Ensure scale system is calibrated and functions properly (if installed).
- Ensure bed is clean/disinfected and patient ready.

All power cords are fastened in a manner to keep them free from moving or pinching parts. At any time parts are replaced, all cords should be secured into proper position to prevent damage.

If a problem is detected, make sure to repair or adjust the bed before using it. Contact an authorized Sizewise technician to help find and correct the problem.

Service/Replacement of Hand Control

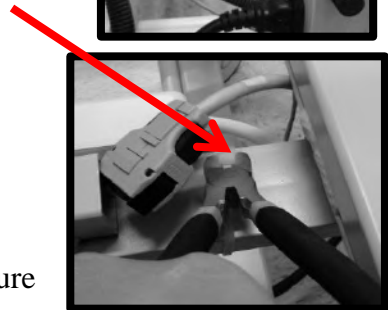
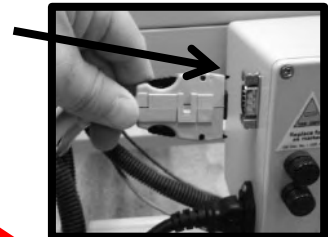
Should it become necessary to remove the hand control from the bed, the motor cable must first be removed from the bed.



WARNING: Failure to follow the service/replacement of hand control instructions could result in damage to the hand control cable plug.

Removal:

1. Disconnect the hand control plug (A) and carefully cut the zip ties from the bed frame (B).
2. The hand control can now be removed for service or replacement.



NOTE: Reverse the above directions for installation of the hand control.

Lubricating the Actuators

The actuators need to be greased about every three months to ensure proper functioning. Use only heavy duty wheel bearing/axle grease. Good quality grease can be located at a local hardware or auto supply store.

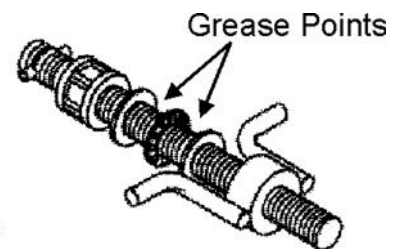
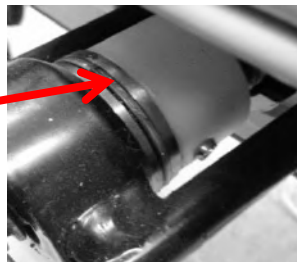
Lubricating Instructions

1. Completely extend the actuators and wipe off dust and lint prior to greasing.
2. Place the end of the grease gun hose in the hold in the actuator.
3. Three to four pumps of the grease gun are sufficient.



4. Apply grease between thrust bearing and nylon bushing. After separating bearings from races, grease must be worked down into both sides of the bearing.

Thrust Bearing and Nylon Bushing



5. Repeat steps 1 through 4 for each actuator.

Fasteners



WARNING: Many of the screws and bolts used in the bed are special high-strength fasteners. Contact an authorized Sizewise technician to assist if finding the correct fasteners. If improper fasteners are used, they could result in patient and/or user injury as well as damage to equipment or other property.

Improper fasteners may fail. Use only screws and bolts provided by an authorized Sizewise representative.

If screws or bolts become loose, tighten them immediately.

If a problem is detected, make sure to repair or adjust the bed before using it.

Storage and Disposal

The bed should be stored in a dry location so that the components DO NOT become contaminated with moisture. If the bed is stored for any period of time, make sure it is adjusted properly and that all components are in working order before using the bed.



CAUTION: The bed needs to be stored, transported and operated in a temperature range of -5°C to 45°C (23°F to 113°F).

DO NOT expose the bed to humidity greater than 95%.

End-of life Sizewise products must be disposed of properly according to local laws and regulations. If your product contains a battery and / or electronics components, disposal of those components must be completed separate from standard waste disposal. Please contact Sizewise or your local authorities for disposal and recycling options.

Troubleshooting



CAUTION: Only authorized personnel should engage in the troubleshooting process. Troubleshooting by unauthorized persons could result in personal injury or equipment damage.

Bari Rehab Platform 2™ Troubleshooting

The bed will not operate with all functions unresponsive:

- Ensure the bed is plugged into a power source.
- Check that the main power switch on the ECM is set to the “ON” position.
- Ensure all cables to the Electronic Control Module are properly connected and secure.
- Check the main power fuse in the ECM.

One or more functions fail to operate, the motor(s) will not activate:

- Ensure all cables to the Electronic Control Module are properly connected and secure.
- Inspect the hand control for damage and ensure it is properly connected to the ECM.
- Verify the Trendelenburg switch on the ECM is set to the “ON” position.
- Check the power from the ECM to the motor on the section not working.

Motor quits after repeated use:

- The motor may have overheated, wait 10 minutes for the motor to cool and try operating the bed again.

A motor activates (hums) but does not turn (frozen):

- Inspect all mechanical components to make sure they are free of any obstacles that may restrict movement and that they are in good working order.

A function fails to lift or recline fully:

- Inspect all mechanical components to make sure they are free of any obstacles that may restrict movement and that they are in good working order.

NOTE: If the troubleshooting process does not solve the problem please contact a Sizewise representative for service.

SW Rest Secure System™ Troubleshooting

Display on handheld shows Load Cell Error or yellow light flashing on CPU box under the bed:

- Check the CPU box to make sure that all load cell cables are plugged in. Check for damaged load cell cables.

The unit will not power up:

- Make sure the CPU (located under bed) is plugged into the wall. Unplug handheld from the footboard, wait 5 seconds and then plug it back in.

Weight history readings will not store:

- Make sure the clock time and weight history time are set correctly (24-hour clock format).

Scale showing incorrect weight:

- Make sure the zeroing process was done correctly (see the Set-Up Instructions section on Scale System: Zeroing the Scale page 22).

Unit will not change from LBS to KGS.S in the scale settings menu:

- Unlock LBS/KGS.S (see Customize Settings section on Scale System: Locking/Unlocking the Unit in Lbs./Kgs. page 34).

Nurse call will not activate:

- Make sure cable from bed to wall interface is securely plugged. Check cable from CPU box to bed frame.

NOTE: If the troubleshooting process does not solve the problem please contact a Sizewise representative for service.

Warranty Information

Sizewise Rentals™, LLC (Sizewise) Limited Warranty

Sizewise is dedicated to manufacturing and distributing equipment that provides solution-oriented approaches to exceed the clinical, comfort and safety needs of our customers. Sizewise is proud to offer to the original purchaser, the following warranties, effective February 20, 2012:

Model	Capacity	Frame	Welds	Electronics & Parts	Actuators
Bari Rehab Platform 2™	1000 lbs.(453 kg)	5 yr.	10 yr.	1 yr.	1 yr.

How to obtain Parts and Service

1. Contact Sizewise Parts and Service at 1-800-814-9389 to speak with a qualified specialist who can assist with troubleshooting, parts and repairs. The product model and serial identification numbers are required for service and parts. Parts can be expedited upon request for an additional fee. If on-site technical service is required, a qualified service representative will be dispatched.
2. If a product or part should be returned to Sizewise, a return authorization number (RA#) will be issued. The RA# will be valid for 21 days from the date it is issued.
3. If the problem is a result of defective material or workmanship, the product or part will be replaced or repaired at the discretion of Sizewise, at no charge to the customer.
4. For replacement or repair of a product or part not covered under this warranty, or if warranty is void, the standard rates will apply. Freight or delivery charges will be billed to the customer.
5. Sizewise products are identified by serial number. Removal of this number may void the warranty.

Limitations and Exclusions

1. Products that have been subject to negligence, abuse, improper storage or handling, improper operation, unauthorized modifications or damages beyond normal wear and tear, as determined by Sizewise, are not covered by this warranty.
2. If weight capacity on any such product is exceeded, the warranty will be void. Any unauthorized repairs to product/part, as well as tampering with any components, will void the warranty.
3. Parts or materials that are subject to normal wear resulting from the use of these products that must be replaced or repaired are excluded and are not covered by this warranty.
4. **SUBJECT TO STATE SPECIFIC LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND SHALL NOT EXTEND BEYOND THE DURATION OF THIS WARRANTY. SIZEWISE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES.**
5. This warranty applies to the original purchaser only and is non-transferable.
6. Headboard, footboard and batteries are excluded from the one (1) year warranty.
7. Cleaning upholstery or fabrics with harsh chemicals, or bleach, outside the recommended cleaning guidelines may void the warranty.

Manufacturer Disclaimer

General Information

All specifications, equipment and prices are subject to change without notice. Sizewise reserves the right to make improvements from time to time. Photos and drawings are representative of the products and may vary slightly from actual production models. Some items photographed in this user's manual may include optional equipment. Contact or consult Sizewise to ensure proper equipment sizes, specifications and options.

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Patent for the Bari Rehab Platform 2™ and SW Rest Secure System™.

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User Assistance Information

For questions or assistance with this product, contact Sizewise at:

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Suite 950
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Phone: 1-800-814-9389



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