



MPS

MEDICAL PARTS SOURCE

EX5000

USER MANUAL

For Parts (941) 342-7725

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Overview

Introduction

This manual provides instructions for use of the EX5000. Do not operate the bed without first reading and understanding the warnings and cautions provided herein.

NOTICE: The information in this document is subject to change without notice.

Intended Use

The EX5000 Bed is intended to provide means for a single occupant to recline and sit, and to assist the occupant in moving between reclining, sitting and standing positions.

The bed is intended for use in U.S. and Canada long and short-term care facilities, and homes.

The bed is intended to support a safe working load of 500 lbs. (evenly distributed), which includes the weight of the occupant, mattress, bedding, and any other items on the bed deck.

The bed is intended for operation by adult users who have read and understand this User Manual.

The bed is intended for indoor use in environments where it will not get wet, where floors are stable and level, and in ambient temperatures between 41°F and 104°F.

The bed is intended for operation on 120 VAC, 60 Hz mains power.

The bed is **not** intended to provide a means for transport of the occupant.

Safety Information



This symbol identifies a **WARNING** or **CAUTION**:



WARNING represents potentially dangerous situations that can lead to serious physical injury or death.


















CAUTION represents potentially dangerous situations that can lead to minor physical injury.

General Use Safety







WARNING Bed must be used as specified under the “Intended Use” heading. Use of the bed outside of the specified conditions may result in personal injury or equipment damage.


-  **WARNING** Close supervision by an adult user who has read and understands this User Manual is required when the bed is used around children or others who have not or cannot read and/or understand this User Manual.
-  **WARNING** The bed mattress must be properly sized to meet entrapment zone dimensional guidelines published by the Food and Drug Administration.
-  **WARNING** Do not spill or spray liquid on the bed. Excessive liquid on the bed can result in an electric shock hazard. In the event of a liquid spill or excessive liquid on the bed, unplug the bed immediately. Remove excess liquid and allow bed to dry thoroughly before restoring power.
-  **WARNING** Never permit anyone under the bed while the bed is being used. Failure to do so could result in personal injury.
-  **WARNING** Never operate the bed if a cord or plug is damaged, or it is not working properly. Contact Qualified Service Personnel for inspection and/or repair. Failure to do so could result in personal injury.
-  **WARNING** Ensure the main power cord is routed where it is not pinched either under or beside the bed. Failure to do so could result in personal injury or equipment damage.
-  **CAUTION** Ensure the grounding cable of the control box is securely fastened to the frame. Failure to do so could result in personal injury or equipment damage.
-  **CAUTION** If a handset is used, the cord must be routed and secured properly to ensure that cord does not become entangled. Failure to do so could result in equipment damage or personal injury.
-  **CAUTION** Keep all moving parts free of obstruction (i.e. blankets, sheets, pads, tubing, etc.)
-  **CAUTION** Never remove any labels applied to the bed. Failure to do so could result in personal injury or equipment damage.
-  **CAUTION** Do not exceed the maximum allowable weight capacity on this bed. The maximum weight is the sum of the resident/patient, mattress, bedding material and headboard and footboards.
-  **CAUTION** Keep the bed in low position when the occupant is unattended. High bed positions increase the risk of injury from falling when getting in or out of bed, or while reclined.

-  **CAUTION** Always keep all bed casters locked unless bed is being moved. Unlocked casters can result in a fall hazard due to unexpected bed movement.
-  **CAUTION** To avoid a fire hazard; do not use the bed in an oxygen-enriched environment or in the presence of explosive gases.
-  **CAUTION** To avoid an electric shock hazard; do not plug the power cord into a wall outlet if the power cord is damaged, if the ground pin is missing, or if the wall outlet does not provide for the power cord ground pin.


Bed Articulation Safety

-  **WARNING** Always confirm the area under the bed and end-boards is free and clear of children, inattentive adults, pets, and objects when raising and lowering the bed.
-  **CAUTION** When lowering the bed or knee in chair position, always ensure limbs or extremities are not under any portion of the bed or mattress.
-  **CAUTION** Always confirm limbs or extremities are within the perimeter of the mattress and not in a position where they can be trapped or pinched by the support arms and assist bars when adjusting head and knee elevation.
-  **CAUTION** Keep moving parts of bed free of obstructions, including bedding, heating pads, tubes, cords and wires. Items caught in moving parts may be crushed, cut or pulled during bed adjustment.


Side Rail and Assist Bar Safety

-  **WARNING** Always confirm the side rail and assist bars are locked in the raised position. Improperly locked support arms and assist bars can result in a fall hazard due to sudden unexpected movement.

Options and Accessories Safety

-  **CAUTION** Use only bed accessories and bed replacement parts supplied or approved by Med-Mizer® for this bed. Third party accessories and replacement parts that are not approved by Med-Mizer® may result in personal injury or equipment damage.

Cleaning Safety

-  **WARNING** Do not spill or spray liquid on the bed. Excessive liquid on the bed can result in an electric shock hazard. In the event of a liquid spill or excessive liquid on the bed, unplug the bed immediately. Remove excess liquid and allow bed to dry thoroughly before restoring power.

- ⚠ CAUTION** Follow manufacturer’s instructions for proper use of cleaning agent. Improperly diluted or improperly applied cleaning agents can result in inadequate disinfection or a caustic burn hazard.

Maintenance and Service Safety

- ⚠ WARNING** Before performing bed maintenance or service, unplug the power cord to avoid an electric shock hazard.
- ⚠ WARNING** If a fault or problem is found during preventative maintenance inspections, remove the bed from service until the appropriate repair or adjustment is made.

Specifications

Deck height range	9" to 25"	With Standard Boards	263 lbs.
(5" Caster Option)	11" to 27"	Maximum Head Angle	62° ± 3°
Safe Working Load	500 lbs.	Maximum Knee Angle	22° ± 3°
Overall Bed Widths	35.5", 38.5", 41.5"	Power Requirements	120 VAC, 60 Hz
Overall Bed Length	87.5"	Maximum current draw	2.7 amps
Overall bed Weight	236 lbs.	Controller Output Voltage	24 VDC

Options and Accessories

TRAP	Trapeze Accessory
FBSS	Floor Bumper System
ASRL-3PR	Assist Bar with Embedded controls – Right w/ Pivot
ASRL-3PL	Assist Bar with Embedded controls – Left w/ Pivot
BEX	4 Inch Bed Extender
DOLLY-EX	Transport Dolly - RetractaBed® EX Model
2039	5 Inch Caster Upgrade
ASRL-PR	Pivoting Assist Bar – Right
ASRL-PL	Pivoting Assist Bar – Left
UD3AC	Two Position Side Rail (Set) w/ Embedded Controls
UD	Two Position Side Rail (Set)

End Board Options



Headboard and Footboard Finish Options

Custom Headboard and Footboards Available

Factory Installed Options

4 Swivel Caster Upgrade

Battery Backup

Surelock or 1 Step Lock (See how to use in the Operations part of the manual.)

Preparation for Use

Unpacking (If Shipped LTL/Commercial)

Tools Required:

Utility knife

Side-cutting shears

9/16 Socket and Ratchet

To unpack bed, footboard and headboard:

1. Use the utility knife to carefully cut the shrink-wrap film and remove it from the bed.
2. Use the side-cutting shears to carefully cut all banding and tie straps.
3. Use the utility knife to carefully open the carton containing the end boards, and remove the headboard and footboard.
4. Use the hi/low function to raise the bed until the casters are extended past the pallet. Then lay the bed down on its casters and un-bolt the frame from the pallet using the 9/16 socket and ratchet.

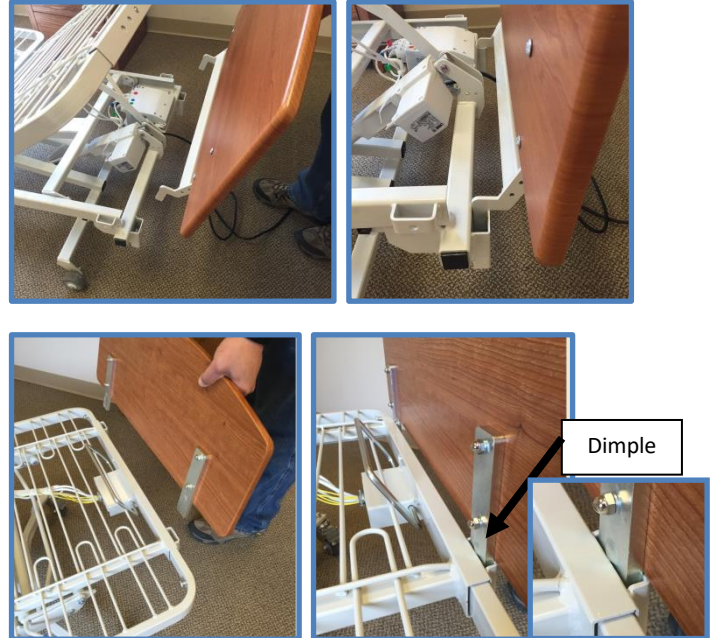


Assembly

Tools Required: None

To prepare bed for first use:

1. Attach the headboard to the bed by placing the headboard against in the slots located on the inner-mediate frame. Ensure that metal headboard bracket is firmly seated within the channels.
2. Attach the footboard to the bed by placing the footboard into the slots outside of the foot-end frame. Make sure footboard brackets are securely seated into channel slots until the dimple is making contact.



Operation

Control Options

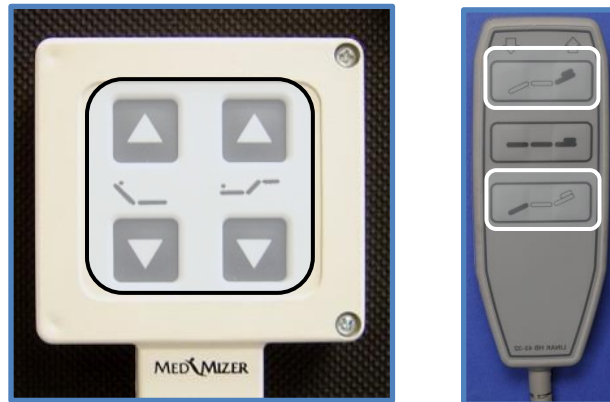
- ¼ Length Side Rail with Embedded Controls
- Assist Bar with Embedded Controls
- Hand Held Handset

Bed Height Adjustment



The bed height controls are located on the outside of side rail or assist device and on the face of the hand held handset. The up arrow raises the bed, and the down arrow lowers the bed.

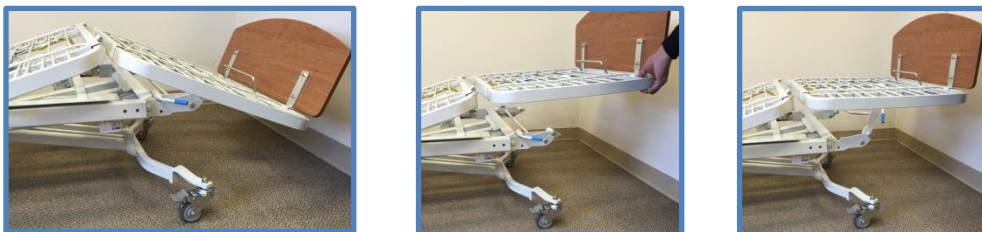
Head and Knee Adjustment



The head and knee elevation controls are located on the inside of side rail or assist bar and on the face of the hand held handset. The head-up arrow raises the head section, and the head-down arrow lowers the head section. The knee-up arrow raises the knee, and the knee-down arrow lowers the knee.

Foot Elevation

To elevate the foot section, first raise the knee to the desired height. Manually lift the foot end of the foot section and rotate the foot support post upward. Lower the foot section placing the foot support on the bottom of the foot section.



Bed Transport

To transport an empty bed, unlock the bed casters and use the footboard or headboard to move the bed. Do not move the bed using the support arms, hand held handset or assist bars as handles. Lock all four bed casters when bed movement is complete.

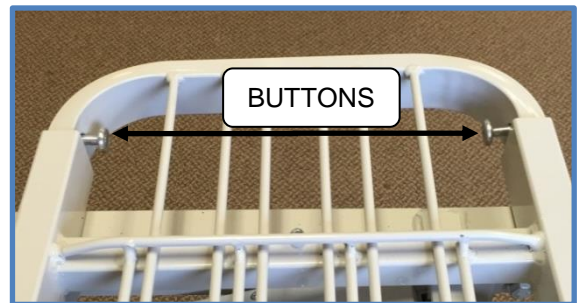
Articulation Lock-out

Powered bed movement may be disabled by activating the lock-out switch, located under the foot section of the bed deck centered at the foot. Each individual operation can be locked out separately.



Bed Deck Expansion or Retraction

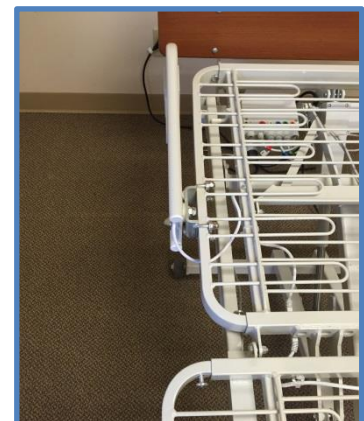
To expand deck push the two buttons simultaneously and pull the tube, release the button until the desired width is achieved. The first locking location is 39" and the last locking location is 42" in width. Repeat on all four sections and both sides of bed. Ensure that the section locks into desired location.



To retract deck, depress both buttons and push the tube in to the desired location.

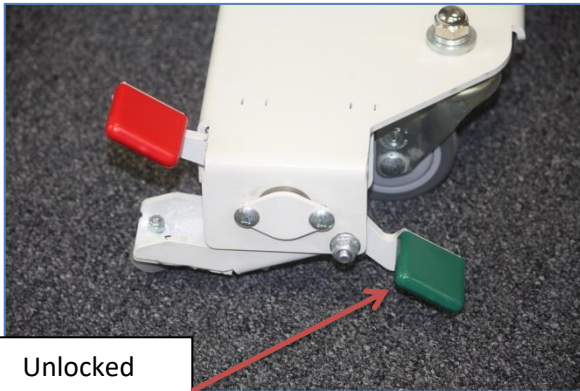


To position the head or foot of the deck into the Evac position or through the door position push depress the buttons and push the tube with accessory completely in until the tube stops and in position. Repeat on both sides of the deck.

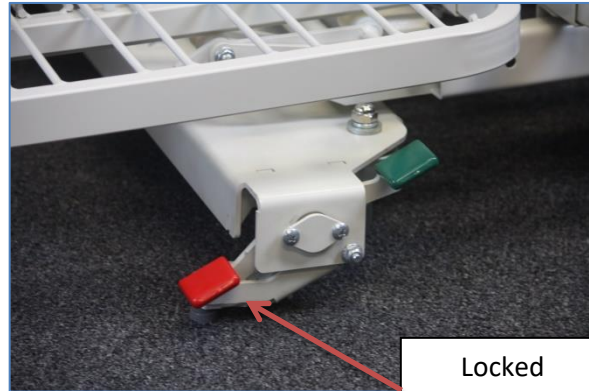


Surelock or 1 Step Lock

The Surelock allows you to lock or unlock the casters of the bed with one step. If the green pedal is in the down position that means the bed is ready to be moved. If the red pedal is in the down position, that means the foot end bed casters are locked. See images below.



Unlocked
Position



Locked
Position

Maintenance

Cleaning

The frame can be cleaned/disinfected with a disinfecting wipe. Disinfectant should always be applied to a cloth; never spray directly on frame. After applying cleaning agent, allow the surface to dry prior to placing unit back in service. Clean frame as needed.

Maintenance and Service

NOTICE: RECOMMENDED TO PERFORM PREVENTIVE MAINTENANCE EVERY 12 MONTHS FOR BEST PERFORMANCE.

1. Inspect the frame for weld cracks or tears.
2. Check that all bolts, pins and fasteners are still in working order.
3. Perform functional test on the frame.
4. Inspect the casters for wear and tear.

Preventative Maintenance Inspections	Problem Resolution
Inspect bed frame for cracks, tears or bending, particularly at welds and joints.	Remove bed from service. Contact Med-Mizer® customer service.
Inspect electrical enclosures for cracks or other damage.	Remove bed from service. Contact Med-Mizer® customer service.

Check that screws, bolts, pins and other fasteners are in place, secured and properly tightened.	Remove bed from service. Tighten loose bolts and screws. Contact Med-Mizer® customer service to replace missing or damaged fasteners.
Inspect actuators for excessive wear and misalignment.	Remove bed from service. Contact Med-Mizer® customer service.
Inspect power cord for damage including the plug and strain relief.	Remove bed from service. Contact Med-Mizer® customer service to replace power cord.
Verify that cables and wires are properly retained and clear of moving parts.	Remove bed from service. Securely retain wires so they are clear of moving parts. Contact Med-Mizer® customer service to replace missing or damaged wire fasteners.
Verify the plug connectors for the controls, drive motors, and motor control box are fully engaged.	Fully engage connectors that are not properly engaged.
Verify the side rails/ assist bars latch securely in the raised position.	Remove bed from service. Contact Med-Mizer® customer service.
Verify all casters securely lock when activated.	Remove bed from service. Contact Med-Mizer® customer service to replace non-locking casters.
Verify that all bed control switches operate correctly.	Contact Med-Mizer® customer service.

Service Parts List

Contact Med-Mizer® customer service at (877) 867-7365 to order parts

Part #	Description
5004	MATTRESS STOP
5007	ROLLER, NYLON P/N 9013883701
5652	ALUMINUM KNOB
6028	HEAD MOTOR
6030	KNEE MOTOR
6036	DPST TOGGLE SWITCH
6044	3 INCH CASTER WHEEL
6045	3 INCH CASTER WHEEL & HUB
6053	SG PUSH SWITCH
6054	SG WIRE SHORT 54 INCHES LONG
6077	HANDLE, BED CONTROL 4 BUTTON, W/ LT 2 PLUG
6078	HANDLE, BED CONTROL 4 BUTTON, W/ RT 2 PLUG
6082	HI/LO MOTOR

Part #	Description
6142	ENGLISH OAK FOOTBOARD MELAMINE 11.50 X 31.75
6143	MAHOGANY HEADBOARD MELAMINE 19.75 X 35.75
6144	MAHOGANY FOOTBOARD MELAMINE 11.50 X 31.75
6145	LIGHT OAK HEADBOARD MELAMINE 19.75 X 35.75
6146	LIGHT OAK FOOTBOARD MELAMINE 11.50 X 31.75
6147	CHERRY HEADBOARD MELAMINE 19.75 X 35.75
6148	CHERRY FOOTBOARD MELAMINE 11.50 X 31.75
6157	SG WIRE RIGHT FROM BOX 95 INCHES LONG
6158	SG WIRE LEFT FROM BOX 101 INCHES LONG
6160	END CAP 3/8 DIA WHITE
6175	HANDLE, BED CONTROL 4 BUTTON, RIGHT
6176	HANDLE, BED CONTROL 4 BUTTON, LEFT
6201	LINAK POWER CORD 11 FOOT W/ GROUND CABLE

6090	IN-LINE COUPLER SG
6141	ENGLISH OAK HEADBOARD MELAMINE 19.75 X 35.75

6205	3 FUNCTION PENDENT RJ45 (HB43-U015-01)
6336	SLIDE PUSH BUTTON SPRING B-163
6345	BARIATRIC CONTROL BOX CB9140AE4+011J (56 / box)
6470	FLAT HEAD SOCKET CAP SCREW 10-24 X 1

Warranty

Med-Mizer, Inc. warrants to the original purchaser that its products shall be free of defects in material and workmanship for a period of Lifetime on welds: 15 years on the bed frame: 5 years on the drive system; 1 year on wood products, casters, handsets, and miscellaneous parts. Med-Mizer's obligation under this warranty is expressly limited to supplying replacement parts for, or replacing, at its option, any product which is, in the sole discretion of Med-Mizer, found to be defective. This warranty does not cover failure due to negligence, accident, abuse or installation not in accordance with the company's instructions or failure to follow maintenance instructions.

If requested by Med-Mizer, products or parts for which a warranty claim is made shall be returned prepaid to Med-Mizer's factory. Any improper use or any alteration or repair by others in such manner as in Med-Mizer's judgment affects the product materially and adversely shall void this warranty.



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