



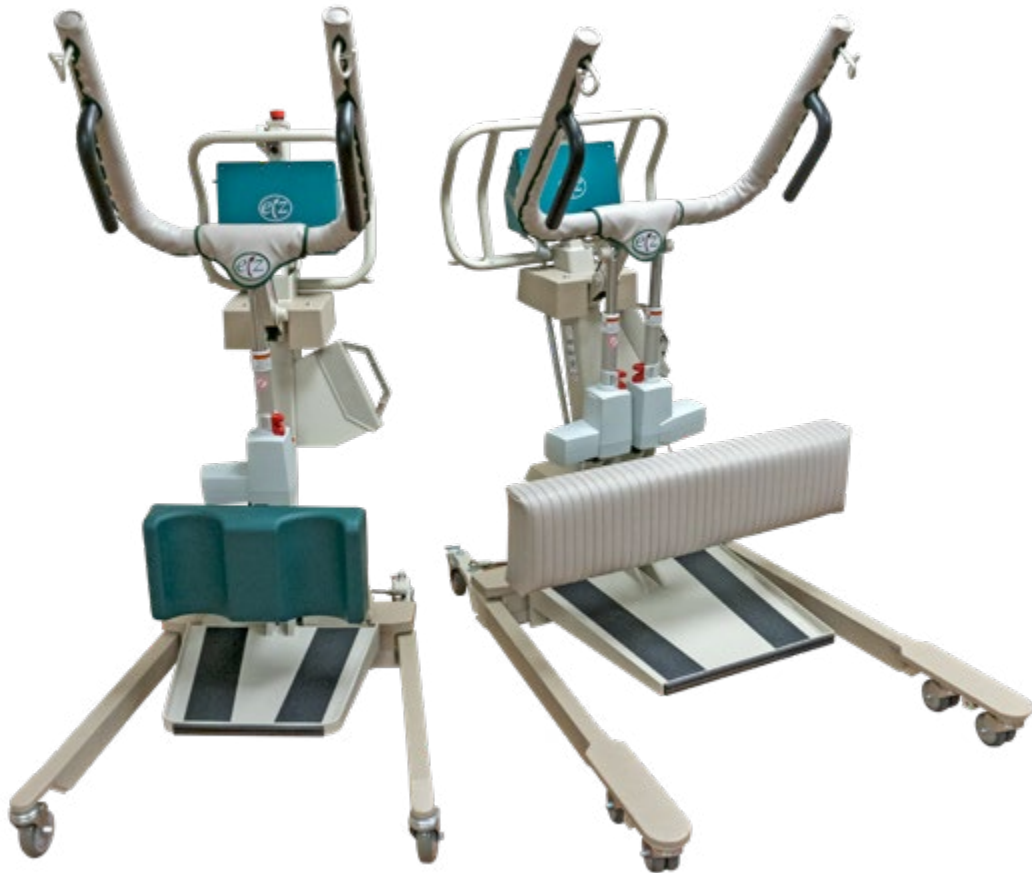
EZ Way, Inc.

*"Your Total Safe Patient Handling Partner"*

# EZ Way Smart Stand™

## 400, 500 & 800 lb. Capacities

### Operator's Instructions



EZ Way, Inc.  
PO Box 89  
Clarinda, IA 51632  
1-800-627-8940  
[www.ezlifts.com](http://www.ezlifts.com)

**⚠WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Form 2-175  
REV. 09/29/2023

The EZ Way Smart Stand™ was designed specifically for toileting and changing briefs of patients. The EZ Way Smart Stand™ can also be used for transferring the patient from chair, wheelchair, toilet or bed, and can be used for ambulation. As patients do vary in size, shape, weight and temperament, these conditions must be taken into consideration when deciding if the EZ Way Smart Stand™ is suitable for their needs. Patients should be able to bear some weight, have upper body strength and be able to follow simple commands. If a patient does not meet each of these three criteria, an EZ Way total body lift must be used.

For safe operation of the EZ Way Smart Stand™, operators should watch the training video, read through this manual, complete the competency checklist, and practice on fellow staff members before use with patients.

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## Safety Notes

The EZ Way Smart Stand™ was designed to transfer weight bearing patients to and from a chair, wheelchair, toilet, or bed and for safely ambulating patients. The EZ Way Smart Stand™ comes in 400, 500, and 800 lb. weight capacities. All EZ Way harnesses are capable of bearing a 1,000 lb. weight load, but must only be used to hold the amount of weight dictated by the EZ Way Smart Stand™ capacity. The maximum lifting capacity of each EZ Way Smart Stand™ is located on the opposite side of the stand mast from the battery receiver (See FIG. 1) by the model and serial number of the EZ Way Smart Stand™ and on the side of the control box. (See FIG. 2)

Do not modify the harness design in any way. Please make sure the accessories used with each stand are appropriate for both the patient and the transferring situation and call EZ Way at 1-800-627-8940 if you have any questions.

EZ Way harnesses are made specifically for EZ Way stands. For the safety of the patient and caregiver, only EZ Way harnesses should be used with EZ Way stands.

The only time you should lock the wheels of the EZ Way Smart Stand™ when in use is when you are raising or lowering the patient during ambulation. Refer to the instructions for using the EZ Way Smart Stand™ for ambulation on page 7.

The EZ Way Smart Stand™ was designed to be operated safely by one caregiver. However, depending on the situation, facility policy, and the patient's condition, two caregivers may be necessary.

All EZ Way equipment must be maintained regularly by competent staff according to the maintenance checklist provided.

These instructions should be kept with the EZ Way Smart Stand™ at all times. Instructions can also be downloaded from EZ Way's website [www.ezlifts.com](http://www.ezlifts.com).

### **⚠ WARNING:**

**For safe operation of the EZ Way Smart Stand™, the stand must be used by trained personnel in accordance with the operator's manual, video and training checklist to avoid injury to patient.**

### **⚠ WARNING:**

**Do not push, pull, or use the actuator as a handle for moving the EZ Way Smart Stand™. Do not cover the actuator. Inspect regularly as directed in the maintenance checklist.**

### **⚠ WARNING:**

**Keep the area clear between the actuator and the mast.**

### **⚠ CAUTION:**

**The Emergency Lowering Procedure is for emergency use only. Repetitive use will cause damage to the unit.**

## LCD Display

The EZ Way Smart Stand™ includes a built-in operator interface, backlit LCD (liquid crystal display) and key switches located on the front panel. This interface notifies the user of basic functions as well as provides diagnostic feedback from the unit.

### Basic Functions

The UP and DOWN keys located on the front panel, arrow keys on the hand control, and left and right toggle switches located on the sides of the control box can all be used to operate the EZ Way Smart Stand™ arms in an up or down direction.

When an UP switch is pressed the display reads 'UP'.

When a DOWN switch is pressed the display reads 'DOWN'.

### Battery Status

When the EZ Way Smart Stand™ is sitting idle the display shows the battery level. The battery level is shown as a bar graph. The fewer the bars displayed the lower the battery level.

When the battery level becomes low swap the battery with a fully charged battery. Place the used battery in the EZ Way remote battery charger (see page 9). Regular battery charging will extend the life of your batteries.



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## LIMITED WARRANTY: Smart Lifts and Stands

Frame = 10 Years

Components = 3 Years

Batteries = 12 Months

Slings/Harnesses = 6 Months

EZ Products are manufactured with the highest quality components. EZ Way Inc. warrants that all new equipment, with normal use and service, will be free from defects in material and workmanship for a period of (see above) from the date of purchase by the original purchaser. Normal wear and tear, injury by natural forces, user neglect and purposeful destruction are not covered by this warranty. Warranty service must be performed by the manufacturer at 710 E. Main St., Clarinda, Iowa., or by an authorized repair center at their location. On occasion, EZ Way Inc. may authorize in-house repairs, but these repairs MUST be pre-approved to avoid invalidation of the warranty. Services covered under warranty include any labor that takes place at EZ Way Inc. Cost of Labor incurred while installing the warranty part at the place of ownership is not covered by this warranty. EZ Way Inc.'s obligation is limited to the replacement of parts that have been returned and are determined by EZ Way Inc. to be defective. THE PROVISIONS OF THIS WARRANTY CLAUSE ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON EZ WAY INC.'S PART AND IT NEITHER ASSUMES OR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR EZ WAY INC. ANY OTHER LIABILITIES IN CONNECTION WITH THE SALE OF SAID ARTICLE. IN NO EVENT SHALL EZ WAY INC. BE LIABLE FOR ANY SUBSEQUENTIAL OR SPECIAL DAMAGES. ANY MISUSE, IMPROPER INSTALLATION OR TAMPERING SHALL VOID THIS WARRANTY. Your warranty was registered automatically by EZ Way Inc. at time of purchase.

## To operate the EZ Way Smart Stand™ follow the steps below:

### Pre-operation check

Before operating the unit, complete a maintenance safety check for loose nuts and bolts and damaged parts. Also, ensure the harness is not ripped, frayed or showing signs of wear. EZ Way recommends all harnesses be replaced after one year, or at the first sign of wear. If the unit fails to operate, contact your maintenance person. If necessary, the maintenance person can call our service department at 1-800-627-8940. **NOTE: It is helpful for the maintenance person to be near the unit when making the service call.**

### Insert battery

Insert a fully charged battery pack into the battery receiver on the mast of the EZ Way Smart Stand™. (See FIG. 1)

### Turn unit on

Push the ON/OFF button. The EZ Way Smart Stand™ will display a greeting message while several diagnostic functions are performed. The EZ Way Smart Stand™ has a built-in timer that automatically shuts off the unit after a period of inactivity.

**NOTE: Push the ON/OFF button to power off the EZ Way Smart Stand™.**

The EZ Way Smart Stand™ is operational when the battery charge level is showing on the screen. (See FIG. 2)

### Adjust the emergency stop button

The RED EMERGENCY STOP BUTTON must be in the UP position. The unit will not operate if the button is in the down position. If the button is in the DOWN position, the screen will indicate EMERGENCY STOP. Turn it in the direction of the arrow on top of the button to release it. (See FIG. 1)



Figure 1

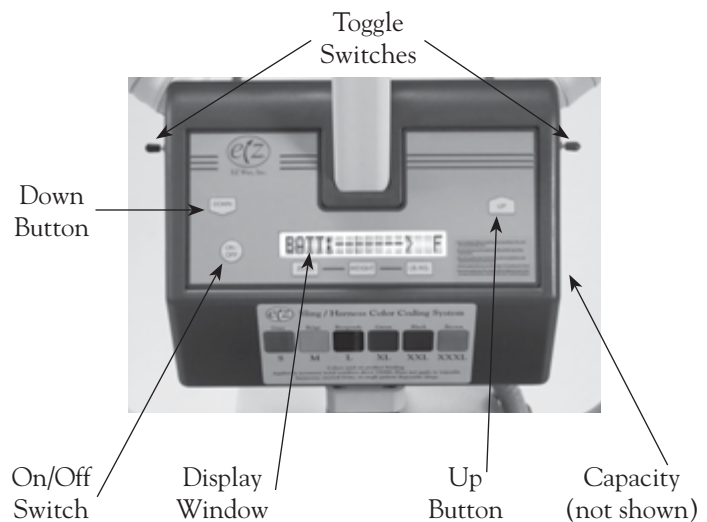


Figure 2

## Harness selection

EZ Way harnesses are designed to be applied or removed with a minimum amount of handling of the patient. As patients do vary in size, shape, and weight, these conditions must be taken into consideration when deciding which EZ Way harness and accessories are suitable for each patient's needs. There are a variety of harnesses available in various sizes. Please contact EZ Way with any questions regarding harness dimensions and sizes, or view them at [www.ezlifts.com](http://www.ezlifts.com).

We have used the Medium Harness throughout the operator's instructions because it is the most commonly used harness (See FIG. 3). Wipeable, disposable and neoprene harnesses are also available.



Figure 3

## Transferring the patient:

### Attach harness

- 1) Position the harness around the upper body of the patient so the sides of the harness are between the patient's torso and arm, resting 2 – 3 inches below the underarm. (See FIG. 4)



Figure 4

- 2) For the safety of the patient, securely fasten the safety strap around the patient's torso.
- 3) Secure the buckle and pull the strap to tighten.

### Position shin pad and foot plate

The foot plate has several notch adjustments to raise or lower the plate. Simply pull up and out. The normal setting is in the lowest position. The shin pad has several vertical adjustments for various patient heights and conditions and normally is left in the middle position. The shin pad can be adjusted horizontally toward the patient as well, and is normally used in the position closest to the mast of the EZ Way Smart Stand™.

NOTE: The adjustability of the above three items allows for the greater patient comfort. However, for most patients the recommended settings are adequate.

To adjust the shin pad horizontally, remove the pin, slide the glide bar to desired location and insert the pin. To adjust vertically, pull on black quick-release pin and adjust to desired height. Release pin.

### Position EZ Way Smart Stand™ in front of patient

- 1) Use the leg spreader bar (See FIG. 5) to open the EZ Way Smart Stand™ legs to get around a wheelchair, toilet or chair, if necessary.

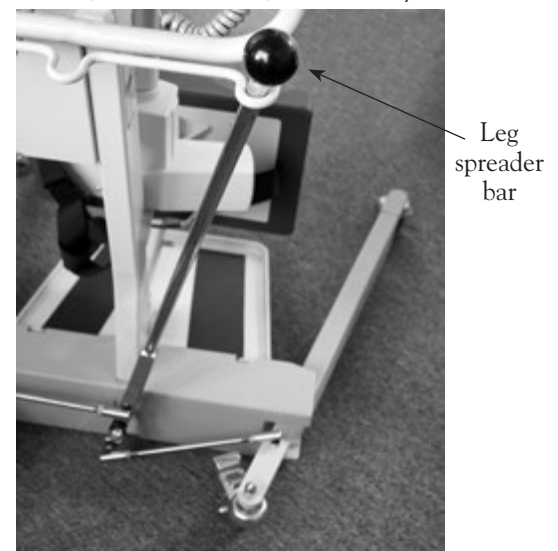


Figure 5

- 2) Position the unit in front of the patient.
- 3) Have patient place feet (help patient if needed) on foot plate and position their shins into the shin pad. The shin pad should be positioned below the knees. (See FIG. 6).



**Figure 6**

**Use of Shin Pad Strap:** If a caregiver deems it necessary to keep a patient's shins or feet on the foot plate, secure the shin strap around the patient's legs.

**Attach harness to EZ Way Smart Stand™**

With the lift arm in lowest position, attach the harness to the hooks at the end of the EZ Way Smart Stand™ arm using the loops at the end of the harness. Use the shortest loops when possible. To ensure patient safety and comfort, make sure to use the same color loop on each side. (See FIG. 7)



**Figure 7**

**Raise the patient**

- 1) Position patient's arms on the outside of the harness and have them place their hands on the padded handles.
- 2) With hand control in-hand stand beside the patient. Verify the loops are properly hooked inside the "pigtail" at the end of the EZ Way Smart Stand™ arms and the Safety Catch is in place, blocking the strap from exiting through the pigtail. Press the UP button. As the patient is being raised, simultaneously tighten the safety strap buckled around their torso.

Stop lifting when the patient is in a standing position. (See FIG. 8).



**Figure 8**

**Transfer the patient**

- 1) Move the patient away from the bed, chair, wheelchair, toilet or commode. Using the leg spreader bar, move the legs to the closed position.
- 2) With the patient in a standing position, transfer the patient to the desired location. Be aware of any obstacles that may inhibit the movement of the EZ Way Smart Stand™.

**Lower the patient**

- 1) When lowering the patient onto a chair, toilet, wheelchair or bed, the caregiver should stand beside the patient.
- 2) Press the DOWN button on the hand control until the patient is fully lowered. (See FIG. 9).



**Figure 9**

If needed, the caregiver can hold onto the center harness handle just before the patient is seated in order to help properly position the patient's backside into the back of a seat.

### Unhook harness

- 1) When the patient is securely seated, lower the stand arm until there is enough slack to unhook the harness loops from the arm. Unhook the loops.
- 2) Move the unit away from the patient.
- 3) Unfasten the buckle that is across the patient's torso. Remove the harness from behind the patient by grasping the center harness handle.

## Using the EZ Way Smart Stand™ to ambulate a patient

**NOTE:** Adjustable walker handles are necessary to use when using the EZ Way Smart Stand™ as a walker. (See EZ Way Smart Stand™ accessories). Patient **MUST ALWAYS** wear the harness when using the EZ Way Smart Stand™. It can be helpful to use the seat strap or support strap during ambulation.



- 1) Remove the foot plate.
- 2) Insert the walker handles into the handles of the EZ Way Smart Stand™ arms, adjusting them to the proper length needed for the patient. The handles are color-coded to ensure they are adjusted equally. Tighten the knobs of the walker handles to secure them.
- 3) Apply the harness (Refer to directions on page 5 **Transferring the patient; Attach the harness**) (FIG. 4).
- 4) Position the EZ Way Smart Stand™ in front of patient making sure shins are aligned with the shin pad. Lock rear wheels.

- 5) With the lift arm lowered, attach the harness to the hooks at the end of the EZ Way Smart Stand® arm using the loops at the end of the harness. Use the appropriate loop to ensure patient safety and comfort make sure to use the same color loop on each side.
- 6) With the wheels locked, raise the patient to a comfortable walking position.
- 7) Once the patient is steady and ready to begin walking, instruct patient to grasp walker handles. Push the DOWN button briefly to allow for greater distance between the patient and the EZ Way Smart Stand™, giving the patient additional room for their gait. Unlock the rear wheels to allow the EZ Way Smart Stand™ to move with the patient. It is helpful to talk the patient through the procedure as the steps are being performed.

### Seating the patient after ambulation

- 1) If the patient weakens, lock the EZ Way Smart Stand® wheels and position a wheelchair or chair under the patient. Position the patient over the seating surface (i.e. chair, wheelchair, or bed) so they can be safely seated after lowering. (Lock the wheels of the wheelchair, chair or bed.)
- 2) Lower the patient onto the seating surface by pushing the DOWN button. It is helpful to stand next to the patient as they are being lowered. (See FIG. 10)



**Figure 10**

- 3) Once seated, unhook the harness from the EZ Way Smart Stand™, unlock the wheels of the EZ Way Smart Stand™, and pull the unit away from the patient.
- 4) Unbuckle and remove the harness from the patient's torso.

## Additional accessories available include:

### Seat Strap

The Seat Strap is used for additional lower body support and can be used for transferring or ambulation. Before using the Seat Strap, first fit the harness to the patient, then attach the harness to the EZ Way Smart Stand™ in the normal fashion. Extend the Seat Strap to its fullest length. Attach the loops at the end of the Seat Strap to the same hooks the harness is attached to, located at the top ends of the EZ Way Smart Stand™ arms. Make sure the Seat Strap is loosely placed on the backside of the patient. NOTE: The Seat Strap is not a lifting accessory and should not be so taut as to lift the patient during the raising or lowering activity. Position the padded side of the Seat Strap so it faces the patient. Stand beside the patient, and using the hand control, press the UP button. Raise the patient slightly off the surface.



Slide the Seat Strap under the patient's buttocks. Press the UP button, and raise the patient to a standing position. Adjust the Seat Strap to the desired tension.

**IMPORTANT: NEVER USE THE SEAT STRAP WITHOUT THE HARNESS.**

### Stand Support Strap

The Support Strap is used for additional lower body support and is effective in helping patients stand in an upright position. Before using the Support Strap, first fit the harness to the patient, then attach the harness to the EZ Way Smart Stand™ in the normal fashion. Press the UP button and raise the patient to a standing position.



Once the patient has been raised attach one loop at the end of the Support Strap to one of the hooks located at the base of the stand arms, just above the top of the actuator. Position the pad of the Support Strap behind the patient and attach the other loop to the opposite hook at the top of the actuator. Pull each strap to keep the pad centered and in place on the buttocks.

Place your hip in the center of the patient's buttocks, reach around the patient to grasp both straps on each side of the support strap, and gently press forward with your hip while tightening the straps on each side equally to keep the patient centered. Adjust the Support Strap to the desired tension.

**IMPORTANT: NEVER USE THE SUPPORT STRAP WITHOUT THE HARNESS.**

Note: Due to the constant support provided by this accessory, tension exists in both straps warranting careful removal of the Support Strap.

To remove the Support Strap place your hip behind the patient. Reach around the patient and gently release one buckle. Patient should gently, with your support and assistance, move into a slightly bent knee position with weight centered towards seated surface. Release second buckle or move Support Strap to the side. Follow patient lowering instructions on page 6.

### Walker Handles

EZ Way offers Regular and Long Walker Handles for use in ambulating patients. The Walker Handles are adjustable in length to accommodate each patient's height, and are easily inserted into the handles of the EZ Way Smart Stand™ arms. Once inserted, adjust to desired height making sure the color-coded marks are aligned on each handle. To tighten and secure the Walker Handle in the arm, turn the knob on the end of each Walker Handle.





## Harness laundering instructions

EZ Way harnesses are designed and manufactured to the highest possible performance specifications. They are constructed of high quality, durable, 100% synthetic fabrics and have been individually inspected before shipping to ensure the safety of the product. However, water washing temperature, detergents and disinfectants, patient incontinence, frequency of use, types and weights of patients, etc., all have an impact on the life expectancy of each product. Because of these factors, the continued integrity of the product is not guaranteed. The user must therefore examine the product to ensure its integrity before each use.

EZ Way offers a 6-month warranty on slings and harnesses and recommends replacement after one year or if the sling or harness shows any sign of damage or wear. All slings and harnesses, except for single-patient disposable slings and harnesses, are washable and are capable of bearing a 1,000 lb. weight load, but must only be used to hold the amount of weight dictated by the lift or stand capacity.

Users must accept full responsibility for checking the condition of all slings and harnesses before each and every use on a patient.

### EZ Sling and Harness Laundering Instructions

To get the longest life out of your product:

- 1) Do not bleach.
- 2) To prevent stains from setting, rinse 5 minutes in 80° – 100° F. Stains will set when temperature is over 105° F.
- 3) Washing temp. 160° F. maximum.
- 4) RINSE THOROUGHLY in 100° F. If high alkaline detergent (with pH greater than 11.0) is used, rinse twice.
- 5) Tumble dry, temperature 100° F. maximum. High heat will weaken the fabric.
- 6) Snap the buckle together before washing and drying. This will prevent any damage to the plastic buckle.
- 7) If available, use a laundry bag to wash and dry the harness.

**Note: Wipeable sling and harness cleaning instructions are packaged with each sling/harness or they are available via the EZ Way website [www.ezlifts.com](http://www.ezlifts.com).**

## Charging the EZ Way Smart Stand™ battery

TWO battery packs and a UL Approved remote charging unit are included with each EZ Way Smart Stand™ (See FIG. 11).



Figure 11

**NOTE: When switching battery packs, always remember to place the discharged battery pack into the charging unit so it will be fully charged and ready for use.**

If the battery indicator on the EZ Way Smart Stand™ display window says “CHARGE BATTERY” or “SWAP BATTERY”, locate the remote charging unit and switch the depleted battery pack with the recharged battery pack.

**NOTE: If the battery indicator reads “SWAP BATTERY”, the lift will go down, but not up.**

The green light on the charging unit indicates the battery is fully charged; the red light indicates the battery is still charging. During the charging cycle, the lights may alternate from red to green. This is normal and should stop when the battery becomes fully charged.

The EZ Way Smart Stand™ battery packs have a long life and are fully sealed requiring no maintenance other than routine charging. The EZ Way Smart Stand™ charging system will never overcharge the battery. The charging cycle is approximately 6-8 hours. For optimal battery life, charge batteries frequently.

Mounting holes are provided on the bottom of the charger to mount the unit securely to a stud in the wall.

## Emergency lowering procedure 400 lb. and 500 lb. Capacity EZ Way Smart Stand™



The Emergency Lowering Procedure is for emergency use only. Repetitive use will cause damage to the unit.

- 1) Position patient over bed or chair.
- 2) Pull up on emergency lowering handle one to three times.
- 3) Pull up on emergency lowering handle and hold up.
- 4) Patient will slowly lower. To stop movement release handle.
- 5) Call EZ Way's Service Department at 800-627-8940 for assistance.



## 800 lb. Capacity EZ Way Smart Stand™

- 1) Position patient over bed or chair.
- 2) Pull up on both emergency lowering handles three times.
- 3) Pull up on both emergency lowering handles and

hold up.

- 4) Patient will slowly lower. To stop movement release handles.
- 5) Call EZ Way's Service Department at 800-627-8940 for assistance.

## Scale usage instructions

The EZ Way Smart Stands® do not require zeroing of the harness and have a weight-lock feature.

- 1) Turn on the stand without anything else touching it. The scale will automatically zero.
- 2) Apply the harness on the patient and unit as directed on pages 5 and 6.
- 3) Raise the patient. Be sure no other object is touching the stand.
- 4) Press the weight key. The stand will display the weight, and when the = sign changes to a \*, the weight will be locked in. The weight will appear on the display for four minutes unless the unit is turned off. The scale automatically deducts 1.5 lbs. for the harness weight.
- 6) To weigh another patient, repeat steps two through four.

**NOTE:** The ZERO key may be used to zero out the scale by pressing the button between weights, however this step is optional. The scale can calculate weight in both pounds and kilograms. Push the lb./kg key to select the unit of measurement desired.

## Recall last weight

If the EZ Way Smart Stand™ is on but has not been used for 4 minutes or has been shut off the last weight reading display clears. To recall the last weight taken:

- 1) Press and hold the DOWN key followed by the WEIGHT key.
- 2) The weight will be displayed with a “#” symbol indicating that the weight is recalled.

**NOTE:** Stand may lower if the time between depressing buttons isn't immediate.

# EZ Way Smart Stand™ Safety & Maintenance Checklist

The EZ Way Smart Stand™ requires a minimum of servicing to keep it in good working order. Nevertheless, it is important that certain basic checks be periodically made by maintenance staff to ensure on-going safety throughout the life of the device.

The manufacturer suggests that the following components and operating points be scheduled for inspection at intervals not greater than six months. Any detected deficiency must be rectified before the stand is put back into service.

1) Check all bolts to ensure they are tight. Remove covers as necessary for inspection.



BASE



PIVOT



REAR WHEEL



FRONT WHEEL



LINKAGE



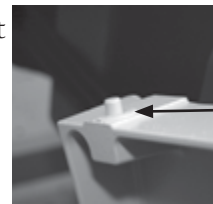
SPREADER

2) Check arm to mast pivot bolt by removing plastic cap to assure nut is tight and cotter pin is in place. If plastic cap is missing order replacement.



ARM TO MAST

3) Foot platform assembly pins need to be checked to assure they have not pushed in and still engage into base.



PIN ON FOOT PLATFORM

4) Check bolts on back of shin pad.



5) Safety tabs need to be checked to make sure they are in place.



6) Check mounting bolts of actuator(s) top and bottom. Pay particular attention to top bolt hole for elongation.



ELONGATED



TOP OF ACTUATOR



BOTTOM OF ACTUATOR



Check actuator for the following.

- a. Inspect the plastic housing for any dents or cracks.
- b. Inspect the cables to see if they have been cut or pinched.
- c. See if the actuator appears deflected when fully extended at full load.
- d. Verify that the mounting points and welds do not have any cracks or other defects. The pad may need to be removed to properly inspect the upper mounting point.
- e. Apply a heavy grease to actuator mounting pins as needed.
- f. Verify that the inner or outer tubes do not have any dents, dings, or large scratches in them.

Contact EZ Way's Service Department at 1-800-627-8940 if the actuator shows any signs of the issues listed above.

- 7) At one year intervals, attach a load equivalent to or within 100 lbs of the rated capacity of the stand to the unit. Do not exceed the rate weight capacity. Raise and lower the load with the stand. Listen for any unusual noises while operating the unit. With the test load applied to the stand, check all structural welds for any signs of stress or fatigue cracks. Pad covering the top actuator connection point may need to be removed or moved to see all welds. If any unusual noises or cracks are found, stop using the stand and call the EZ Way Service Department immediately!
- 8) Test the Emergency Stop Switch. If the switch does not stop the stand when activated, call the EZ Way Service Department immediately!
- 9) Perform a functional test of the emergency lowering feature of the stand actuator.
- 10) Perform a functional test of the anti-pinch feature of the stand actuator. This feature turns the actuator off when lowering the stand arm if an obstruction is encountered.
- 11) Check all the wheels and brakes to make sure they are functioning properly. Hair that gets picked up and wrapped in between wheels should be cleaned out so that the stand will roll easily.
- 12) Do a visual check for any damaged, missing or loose parts. Repair as necessary.
- 13) Check the entire harness for damage or wear, including the loops and stitching. If damage or wear is present, discard the harness and order a new one. It is recommended that harnesses be replaced after one year or if the harness shows any sign of damage or wear.
- 14) Cleaning the stand: Do not spray any liquid cleaners directly onto the front panel graphics. To clean the front panel, use a glass cleaner or mild cleaning solution, dampen a cloth and wipe the panel. To clean the body of the stand, use standard hospital-grade germicidal cleaning products.

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**\*\*IMPORTANT NOTICE\*\***

**It is the responsibility of the purchaser to ensure that regular maintenance inspection is conducted on this device by competent staff.**

# Customer settings summary sheet

## Guide to main functions and keys

Menu list	Description
Inspection Reminder	Enable/disable, Occurs every 30 days
Inspection Complete	Resets 30-day counter
Overweight Counts	Counts occurrences of lifting beyond a unit's rated capacity, available on units with scale
Actuator Minutes	Actuator usage counter, should be reset upon actuator replacement
Actuator Overload Counts	Counts occurrences of actuator overloads, should be reset upon actuator replacement
Lift/Stand Total Minutes	Stand usage counter in minutes
Lb./Kg Default Setting	Sets default for weight unit of measure
Navigating Through Menus	Key
Scrolling to change menu item	UP/DOWN Keys
Key to enter data	Right Toggle Switch
Key to exit menu	Left Toggle Switch

Main Functions	Key Combination
ON/OFF	Turns unit on and off
Weight Recall	DOWN + Weight
Customer Settings Menu	DOWN + UP – hold 5 seconds
UP	Used to raise the EZ Way Smart Stand™ arms upward
DOWN	Used to lower the EZ Way Smart Stand™ arms
Zero	Used to zero out the scale
Weight	Used to take weight readings on units with scale
LB/KG	Switches weight reading between pounds and kilograms

## Diagnostic messaging

### Actuator Overload

When an actuator overload occurs the EZ Way Smart Stand™ computer records the event to protect the unit's components, and an 'ACTUATOR OVERLOAD' message will display. An event count is stored in the Customer Settings menu under 'Actuator Overload Counts'. This read-only count can be accessed at any time. Possible causes of actuator overload include lifting a patient that is heavier than the rated capacity of the unit, if the Smart Stand is obstructed by another object during lifting or mechanical failure occurs (internal actuator binding, etc.). In the event of an actuator overload, the EZ Way Smart Stand™ will only operate in the DOWN direction.

When the actuator overload count is greater than 4, a fault message will display when the unit is turned on, reading 'ACTUATOR OVERLOAD...CALL EZ WAY SERVICE'. When this message appears call the EZ Way Service Department at 1-800-627-8940.

### Weight Overload – Available for EZ Way Smart Stands® with Scale

When an UP or DOWN command is executed the circuit board monitors weight readings from the scale load cell. If the weight measured is higher than the rated capacity of the EZ Way Smart Stand™ the control will recognize this condition and a 'WEIGHT OVERLOAD' message will display. An event count is stored in the Customer Settings menu under 'Weight Overload Counts'. This read-only count can be accessed at any time. The weight overload may result from lifting a patient that is heavier than the rated capacity of the unit, if the Smart Stand is obstructed by another object during lifting or a scale load cell failure occurs.

To override a 'WEIGHT OVERLOAD' press the DOWN key. The EZ Way Smart Stand™ will only operate in the DOWN direction during a weight overload. When the weight overload count is greater than 4 a fault message will display when the unit is turned on. The message reads 'WEIGHT OVERLOAD...CALL EZ WAY SERVICE'. When this message appears call the EZ Way Service Department at 1-800-627-8940.

## Duty Cycle Fault – Helping to Protect EZ Way Smart Stand™ Actuator

In the unlikely event the EZ Way Smart Stand™ has been run to the extent that it exceeds its duty cycle, the following message will appear; 'ACTUATOR DUTY CYCLE FAULT...COOLING'.

When this fault occurs the lift can only be lowered. This safety feature has been added to maximize the life of the actuator.

## LCD display menus

EZ Way Smart Stands® include a built-in menu system that provides customer feedback on various functions. The information below describes how to access and navigate through the Customer Settings menu.

**NOTE:** In this section, the UP and DOWN operations refer specifically to usage of the front panel UP and DOWN buttons.



**NOTE:** The EZ Way Smart Stand's® arms will not raise or lower while in the Customer Settings menu.

### Entering the Customer Settings menu

After the unit has been turned on, press and hold the DOWN key followed by the UP key, holding both keys for 5 seconds.

To back out of the Customer Settings menu hit the left toggle switch.

### Navigating through menus

- 1) Pressing the UP or DOWN front panel keys will allow users to move through the menu items (also described as 'scrolling' below).
- 2) Pressing the Right Toggle Switch (also described as 'enter' below) will enter into a menu selection.
- 3) Pressing the Left Toggle Switch (also described as 'exit' below) key will exit the menu selection.

### Changing parameter values

- 1) Pressing the UP or DOWN front panel keys will change various parameters found in the Customer Settings menu.
- 2) Pressing the Right Toggle Switch will lock the parameter into memory.
- 3) Pressing the Left Toggle Switch will back out of the parameter without saving the selection.

## CUSTOMER SETTINGS MENU FUNCTIONS

Within the Customer Settings menu there are several functions that provide customer feedback. The functions include an optional inspection reminder, lift usage measured in minutes, and diagnostic information. Below is a description of each function.

### Inspection Reminder – Optional

**NOTE: A battery must be inserted in the unit at all times for the inspection reminder to be accurate.**

The Inspection Reminder function tracks the last inspection occurrence. When the duration of time since the last inspection exceeds 30 days, a reminder message will appear when the unit is turned on. The purpose of the inspection reminder is to notify the user that the EZ Way Smart Stand™ needs to be inspected using the EZ Way Safety & Maintenance Checklist form included on pages 11 - 12. When the inspection is complete the reminder can be reset in the Customer Settings menu as described below:

- 1) To enable/disable the Inspection Reminder enter the Customer Settings menu as described on page 13.
- 2) Press the right toggle switch to enter.
- 3) Scroll to Inspection Reminder using the UP and DOWN keys on the controls.
- 4) Press the right toggle switch to enter.
- 5) Scroll to choose Yes or No.
- 6) Press the right toggle switch to enter.
- 7) Press the left toggle switch twice to exit.

### Inspection Complete

If 'INSPECTION OVERDUE' appears when the EZ Way Smart Stand™ is turned on, inspect the unit following the EZ Way Safety & Maintenance Checklist'. The EZ Way Smart Stand™ will continue to operate normally. Once inspection is complete, enter the Customer Settings Menu as described on page 13.

- 1) Press the right toggle switch to enter.
- 2) Scroll using the UP and DOWN keys to Inspection Complete.
- 3) Press the right toggle switch to enter.
- 4) Scroll to choose Yes.
- 5) Press the right toggle switch to enter.
- 6) Press the left toggle switch twice to exit.

### Overweight Counts – Available on EZ Way Smart Stand™ with scale

The Overweight Counts function tracks weight overload occurrences. When a weight overload occurs the Overweight Counts register increments by one.

### Actuator Minutes

The Actuator Minutes function tracks the accumulated amount of raising and lowering time of the actuator by the minute. With each minute of runtime the Actuator Minutes register increments by one. This read-only information provides accurate customer feedback of EZ Way Smart Stand™ usage within the facility and can be a valuable tool in monitoring a safe patient handling program. In the event of an actuator replacement the Actuator Minutes register can be reset.

### Actuator Overload Counts

The Actuator Overload Counts function tracks any actuator overload occurrences. When an actuator overload occurs the Actuator Overload Counts register increments by one. Potential causes of an actuator overload include accidental lifting of EZ Way Smart Stand™ arms against an obstruction, lifting a patient that is heavier than the rated capacity of the unit, or mechanical failure (internal actuator binding).

### Lift/Stand Total Minute Usage Count

The Actuator Total Minutes function tracks the accumulated amount of raising and lowering time of the unit. The Lift/Stand Total Minutes is not reset when an actuator is replaced. This read-only information provides accurate customer feedback of EZ Way Smart Stand™ usage for the entire life of the unit.

# EZ Way Smart Stand™ Competency Checklist

Purpose: To assist in the proper training of operating the EZ Way Smart Stand™.

Staff Name: \_\_\_\_\_ Date: \_\_\_\_\_ Observed by: \_\_\_\_\_

Yes No

## 1. EZ Way Smart Stand™ Pre-Operation Check

- a) Demonstrate how to turn EZ Way Smart Stand™ on/off.
- b) Demonstrate how and when to change batteries.
- c) What are the 3 different methods to raise/lower the resident/patient?
- d) Locate emergency stop button and its purpose.
- e) Locate emergency lowering handle.
- f) Check to ensure harness is in good condition, no excessive wear (loops, etc.).
- g) Does resident/patient have to be able to bear some weight?

## 2. EZ Way Smart Stand™ Operation

- a) When is the only time you lock the wheels on the EZ Way Smart Stand™?
- b) Properly demonstrate the adjustments of foot plate and shin pad.
- c) Demonstrate proper fitting of harness to the resident/patient.
- d) Demonstrate proper attachment of the harness to the EZ Way Smart Stand™.
- e) Do you keep constant tension on the seat belt of the harness during the raising of the resident/patient? Why?
- f) Explain why you would use the seat strap. Please demonstrate.
- g) If the EZ Way Smart Stand™ is to be used as a walker, please demonstrate.

## 3. EZ Way Smart Stand™ - Harness Removal

- a) Demonstrate proper removal of harness from resident/patient.

For any questions or concerns, please refer to the operator's instructions or the EZ Way Smart Stand™ video.

ANSWERS: 1a) Located on control panel. 1b) Change when meter nearing "E" (empty) or "Swap Battery" appears on display or if "Emergency Stop" appears yet button is not in down position. Remove battery by grasping handle and pulling towards body – insert charged battery in battery housing. 1c) Using buttons on hand control, toggle switches on sides of control panel, "up" and "down" button face of control panel. 1d) Red button located on top of mast – unit will not operate when button is in down position. 1e) Red tab located at base of actuator shaft. 1f) Look for intact stitching & seams, ensure buckle is in working condition, look for fraying or ripped loops and/or material. 1g) Recommend at least 15% - 20% weight bearing. 2a) When footplate is removed. 2b) Footplate has 3 vertical adjustments / Shin pad adjusts vertically and horizontally. 2c) Harness wings to be positioned 1" to 4" beneath underarms of patient / fasten buckle securely around waist. 2d) Secure one loop of each wing to the metal hooks at the end of the boom. 2e) Constant pressure should be applied as patient stands – midsection thin out when raising patient. 2f) Seat strap used for additional support. 2g) Walker handles used for walking assistance, remove footplate, attach harness with longest loop, lower boom so handles are parallel with floor, adjust handles to comfortable length. 3a) Once patient is lowered to seated position, unfasten buckle, detach loops, remove harness from behind patient.

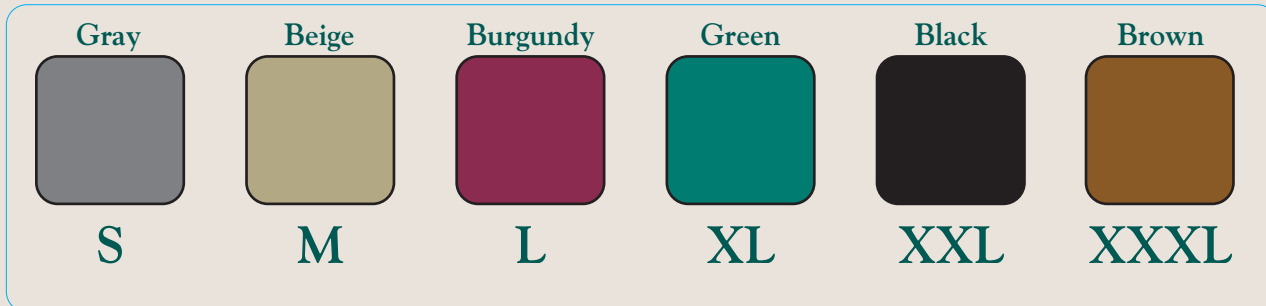




## Harness Sizing Chart



### Harness Color Coding System



*(Color coding applies to the binding of the harnesses. It may not apply to all harnesses.)*

Harness Size	Small	Medium	Large	XL	XXL	XXXL
Weight of Patient	70-100 lbs.	90-220 lbs.	190-320 lbs.	280-450 lbs.	400-600 lbs.	600+ lbs.
Circumference of patient's torso where harness is applied	26" - 38"	34" - 46"	40" - 56"	50" - 64"	55" - 72"	65" +
Regular Harness Product Numbers	<b>50945</b>	<b>50910</b>	<b>50925</b>	<b>50970</b>	<b>50983</b>	<b>50989</b>
Wipeable Harness Product Numbers <i>*not color coded</i>	<b>500167</b>	<b>500094</b>	<b>500138</b>	<b>500129</b>	<b>500194</b>	<b>500201</b>
Anti-Slip Harness Product Numbers	<b>50945N</b>	<b>50910N</b>	<b>50925N</b>	<b>50970N</b>	<b>50983N</b>	<b>N/A</b>

**NOTE!** The size/weight of designations are merely estimates and basic guidelines. A proper fit will involve the judgement of the caregiver.

To order harnesses, please call **1-800-627-8940**.

See a complete list of our accessories at [www.ezlifts.com](http://www.ezlifts.com)