LiteGait® I 400E

LiteGait® I 500ES

Operator & Service Manual

Lite**Gait®** I 360E / 400E / 400ES / 500E / 500ES

SERIAL NUMBER

Serial Number of Your Device:

Note: Please keep your serial number in a safe and secure location. The serial number must be provided when seeking service for your Lite**Gait®** device. The serial number provides us access to technical information regarding your device.

LiteGait®
The Original Partial Weight Bearing Gait Therapy Device

IMPORTANT SAFETY INSTRUCTIONS

WARNING

READ ALL INSTRUCTIONS BEFORE USING LiteGait®

		Maximum Unit Height	Maximum Patient Weight
Lite**Gait®**	I 500E	**8 Feet 10 Inches**	**500 lbs**
Lite**Gait®**	I 500ES	**7 Feet 9 Inches**	**500 lbs**
Lite**Gait®**	I 400E	**8 Feet 9 Inches**	**400 lbs**
Lite**Gait®**	I 400ES	**7 Feet 8 Inches**	**400 lbs**
Lite**Gait®**	I 360E	**7 Feet 8 Inches**	**360 lbs**

- Use only under the direct supervision of a health care professional or caregiver
- Brakes should remain in the locked position at all times until transfer from one location to another is initiated.
- Operate on smooth and level surfaces ONLY.

Dear Lite**Gait®** User,

CONGRATULATIONS on your recent purchase of Lite**Gait®**, the most innovative gait and balance therapy training system available today. As you know, Lite**Gait®** can be used with a wide variety of patient impairment levels and conditions. If you have questions about the possible uses of Lite**Gait®** with particular patients, or are in need of some ideas for ways to use Lite**Gait®** more effectively, please do not hesitate to contact us for information relating to your individual situation. Our web-site also offers valuable information.

Like all quality therapy equipment, Lite**Gait®** requires regular inspections. Enclosed is a check list for your convenience. Please complete the checklist every 6 months to ensure the efficient, safe, and effective operation of the Lite**Gait®** unit. If you should find a problem with a Lite**Gait®** part, please contact the Technical Support Department immediately. Here are some resources, which will be of help to you:

CLINICAL SUPPORT:	clinicalsupport@LiteGait.com
TECHNICAL SUPPORT:	technicalsupport@LiteGait.com
WEBSITE:	www.LiteGait.com
USER FORUM :	www.LiteGait.org

Sincerely,
Customer Service Department
Lite**Gait®**

Table of Contents

Unpacking and Assembly **10**

Unit Diagram **13**

About Your Unit **13**

USING Your Lite**Gait®** **14**

I. Control Unit **14**

II. Charging Lite**Gait®** **14**

III How to Adjust Yoke Height **15**

IV. FlexAble **15**

V. Adjusting Handle Bars **15**

VI. Base and Casters **16**

VIII. BiSym Scale Optional **17**

VII. Harness Application **20**

Training with Lite**Gait®** **23**

Unit Care and Maintenance **25**

Troubleshooting **28**

Parts List **30**

Resource Directory **32**

Limited Warranty Certificate **33**

LiteGait® Assembly

Tools Required:
Scissors
1/2 inch socket or open-end wrench
5/16 inch Allen wrench (provided)

LiteGait® I Assembly Instructions:
Read below & follow pictures.

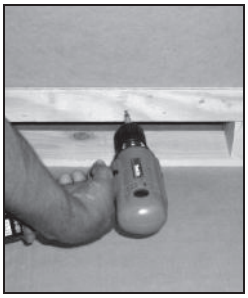
NOTE: Two people are required for safe assembly.

NOTE: Your LiteGait® may look different than the following images.

NOTE: If you have any questions during installation, please contact Mobility Research Technical Support for assistance.

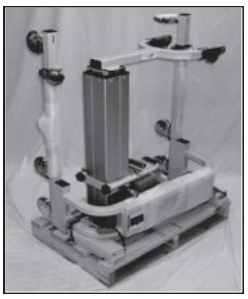
1.) Inspect shipment and note any visual damage to box and/or crate

2.) Remove screw located at the bottom of crate



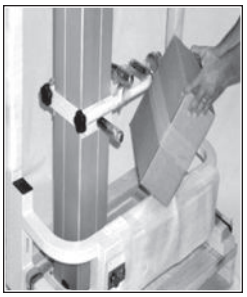
3.) Lift off exterior box in order to expose equipment

4.) Examine contents. Report any damage to equipment immediately to Mobility Research Technical Support



5.) Loosen handle bar knobs and raise handle bars.

6.) Remove cardboard harness and accessories box.

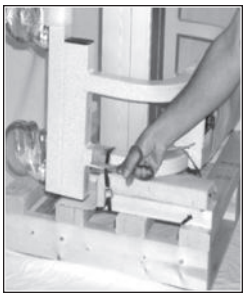


7.) Open cardboard harness and accessories box.

CAUTION: DO NOT USE UTILITY KNIFE TO OPEN BOX

8.) Inspect contents of harness and accessories box for damage.

9.) Carefully cut all black plastic straps securing base to pallet.



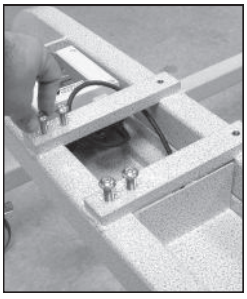
10.) Using both people, remove base from pallet.

11.) Position base over pallet with actuator near base as pictured.

12) Cut and remove plastic wrap from base compartment

13.) Remove hand switch from inside base compartment and set aside for installation of actuator

14.) Prepare base for installation of actuator. Remove four black steel bolts from base using Allen wrench in small box.



15.) Remove screws securing actuator to pallet.

16.) Lower handle bars on actuator and tighten knobs before lifting. Lift actuator from pallet to base using two people

17.) Using two people lift actuator up onto base. Orient the actuator on base such that the yoke and handle bars are facing the same direction as the legs of the base.

18.) Route actuator cord between base and actuator plate before attaching actuator to base. Cord should rest in slot of back of actuator plate.

19.) Insert bolts and hand tighten. Make sure while one person is inserting bolts, the other is holding the actuator. Tighten the bolts until snug using the Allen wrench.

CAUTION: DO NOT over tighten the bolts.

20.) Insert loose actuator cord wires into compartment below actuator plate.

21.) Position cover over actuator cable and bolts securing actuator plate to base. Cover is secured using magnets.

22) A slight gap may be present between actuator and cover OR base and cover.

23.) Twist the red button clockwise to turn on the LiteGait®.

24) The battery capacity display should display four solid black bars indicating a full charge. If the display does not show any solid black bars check battery connection.

25.) Verify the connection of the power system to the actuator by pressing the up and down buttons on the hand switch.

26.) Carefully remove all shrink wrap from LiteGait®.

CAUTION: DO NOT USE UTILITY KNIFE TO REMOVE SHRINK WRAP

- (Optional) Bi**Sym Assembly**

1.) Remove Digital BiSym card board box from harness and accessories box

2.) Open Digital BiSym Box card board box and inventory the following.

- Digital BiSym Display
- Digital BiSym Charger

3.) Slide Digital BiSym Display onto Digital BiSym bracket near the yoke of the LiteGait.

4.) Connect the load cell cables marked LEFT and RIGHT to the LEFT and RIGHT Ports on the side of the Digital BiSym Display

5.) Connect the Digital BiSym Battery Cord exiting the top of the LiteGait® to the short cord exiting the Digital BiSym Scale

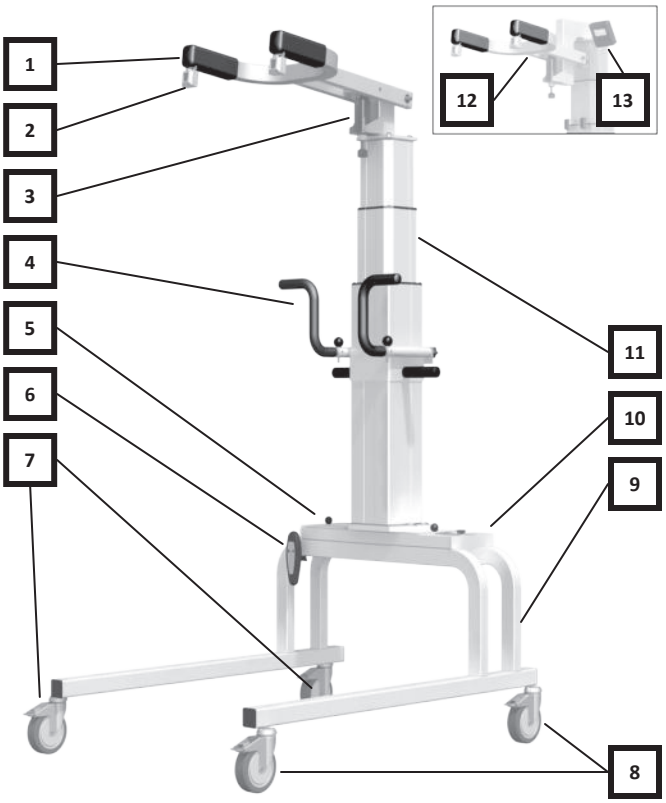
NOTE: THE DIGITAL BISYM IS CHARGED BY CONNECTING THE DIGITAL BISYM CHARGING CABLE TO THE DIGITAL BISYM BATTERY CORD.

NOTE: DIGITAL BISYM SHOULD BE CHARGED ONCE A MONTH OVERNIGHT

NOTE: DO NOT DISCARD DIGITAL BISYM CHARGING CABLE

Lite**Gait® Diagram**

1. **Yoke**
2. **Buckle Assembly**
3. **FlexAble**
4. **Handle Bar Assembly**
5. **Battery Compartment**
6. **Hand Switch**
7. **Total Locking Casters**
8. **Directional Locking Casters**
9. **Base/Frame**
10. **Control Unit**
11. **Actuator**
12. **Drop Down Yoke (OPTIONAL)**
13. **Digital BiSym Scale (OPTIONAL)**



NOTE: Your Lite**Gait®** *may look different than image above*

About Your Lite**Gait®**

Lite**Gait®** is comprised of several parts.

YOKE: Y-shaped support that has four female buckles at the ends and is attached to the actuator with a flat plate secured by four bolts.

OVERHEAD STRAPS: Four 44" long adjustable straps with male connectors at one end and padded female buckles at the opposite end. The male connectors attach to the yoke buckles and the female buckles attach to the harness providing postural support for the patient.

HARNESS/GROIN PIECE: Adjustable wrap with a buckle closure in the front and three adjustable straps on each side. The four male connectors at the top of the harness that attach into the female buckles of the overhead straps. The four female buckles at the bottom of the harness allow for the connection of the groin piece. The H-shaped stitching on the groin piece denotes the top (or body side) of the piece.

ACTUATOR: The mechanism that raises and lowers the yoke. The actuator consists of a concentric expanding and retracting square tower that houses the DC motors, gearing and the screw mechanism. It also provides the structural base to which the adjustable handlebars are attached.

CONTROL UNIT: Junction box mounted in the base for the battery power, handheld switch and contains electrical safety protection circuitry. The battery pack connects to this unit and is also located within a compartment of the actuator.

HANDLEBARS: Unit has two adjustable handlebars. The handle bars are attached to the unit using two knobs.

NOTE: Over tightening the knobs may cause damage.

BASE: Two horizontal bars connected by two U-shaped tubes. The base moves freely over ground or can be locked into place during use over a treadmill. However the unit must be locked into place at all other times.

CASTERS: Four casters are attached to the base. The two casters on the left side are total locking and the two casters on the right are directional locking. Be certain to lock both caster brakes when using the unit over a treadmill or when connecting the patient to the unit.

WARNING: NEVER leave patient unattended in the unit.

BISYM (Optional): Provides a display of the pounds/kilograms of support provided by each arm of the yoke. The load cells that are installed in the yoke sense the load on the yoke and feed it to the BiSym Scale for processing and display.

Using Your Lite**Gait®**

Control Unit

Control Unit is the part of the LiteGait® that controls the adjustment of the actuator. The control STOP and Plug Icons box consists of the following features.

- Red ON/OFF Button
- Battery Charge Indicator
- Emergency Down Button

Red ON/OFF Button

The emergency ON/OFF Button is the ON/OFF switch for the LiteGait. To turn the device on, rotate the red button clockwise and it should pop outward. To turn the device off press the red button down. The device also automatically turns off when connected to a power outlet

ON **OFF**

Battery Charge Indicator

The Battery Charge Indicator shows the idle charge on the battery while the device is on. The indicator displays the charge in 25% increments. 4 solid black bars indicates a full charge on the battery. A plug icon appears in the 50% capacity bar when charge is down to 25%. The LiteGait® should be charged when the plug icon appears. When the battery charge is 0% the display will show a STOP and a Plug icon, this indicates that the device needs to be charged as soon as possible. When the device is turned OFF or is connected to an outlet the display indicates the STOP and Plug Icons.

100% Charge

25% Charge

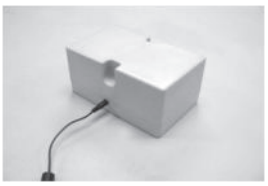
0% Charge

Charging LiteGait

Lite**Gait®** is equipped with a 24 volt battery pack that needs to be charged on a weekly schedule. To recharge battery follow the steps below.

1. Disconnect LiteGait® Smart Power™ Battery from LiteGait® Base

2. Connect standard plug from LiteGait® Smart Power™ Charger into LiteGait® Smart Power™ Battery



3. Connect LiteGait® Smart Power™ Charger to an appropriate 110 volt or 220 volt power outlet. While the battery is charging, the LiteGait® Smart Power™ Charger LED should be RED.

4. Leave battery on charger for 6-8 hours or overnight at least once per week. The time it takes to recharge the battery pack depends upon the health of the battery pack and how low the battery pack was before charging began.

5. LiteGait® Smart Power™ Charger will indicate a completed charge when the RED LED changes to GREEN

6. Upon Completion of charging, reconnect battery into LiteGait® and disconnect LiteGait® Smart Power™ Charger from power outlet.

NOTE: LiteGait® Battery Should be charged overnight AT LEAST ONCE PER WEEK.

NOTE: Digital BiSym Scale (OPTIONAL) utilizes a second battery located at the top of the LiteGait® that should be charged overnight AT LEAST ONCE PER MONTH.

How to Adjust Yoke Height

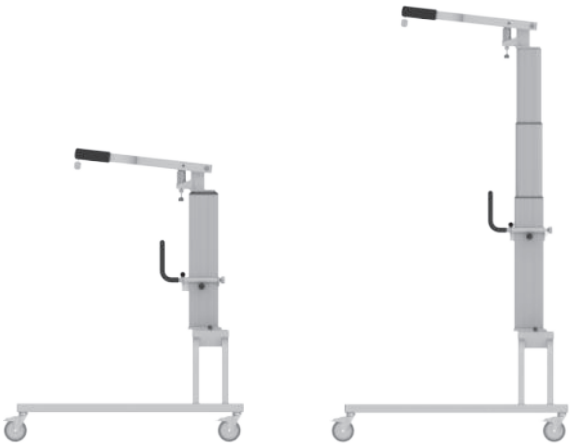
The LiteGait® powered actuator column is raised and lowered by a hand switch with two up and two down arrows.

Raising the Yoke

Verify that LiteGait® has clearance above the yoke. Depress the button with the up arrow on the hand switch. Release the button when the yoke is at the desired height.

Lowering the Yoke

Verify that LiteGait® has clearance below the yoke. Depress the button with the down arrow on the hand switch. Release the button when the yoke lowers to the desired height.



Raised Lowered

Emergency Lowering of Yoke

If the down buttons fail to lower during normal use due to a low battery. There is an auxiliary down button that can be pressed to lower the device. Using a pen tip or small screwdriver, press the black emergency down button, this lowers one of the two columns of the Lite**Gait®** when pressed.

CAUTION: Using the Emergency Down Button may damage battery for future use. Use only in case of emergency.

FlexAble

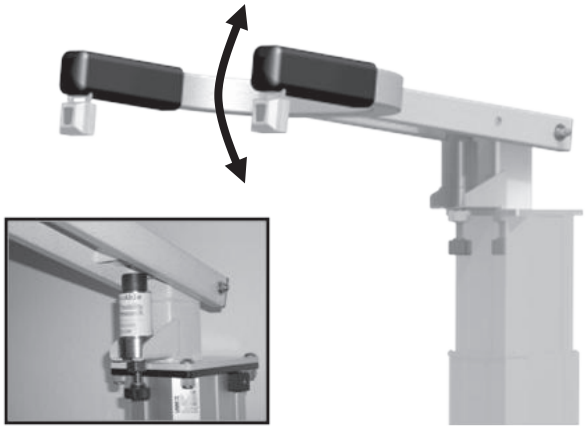
FlexAble allows for the rigid yoke to become position flexible, with up to 5 inches of travel. Thus, you can maintain the rigid yoke position *or* make it flexible giving the patient the option to experience more of their balance and weight bearing at their own discretion.

Flexible Support

Loosen the star knob on the bottom of the FlexAble. The amount of deflection can be varied by the amount the knob is loosened

Rigid Support

Tighten the star knob completely on the bottom of the FlexAble

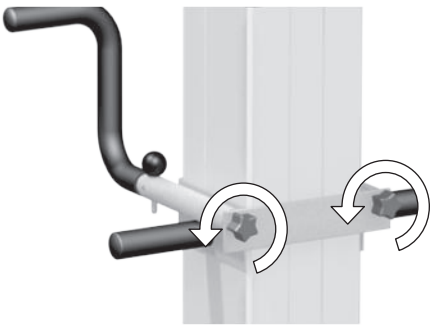


NOTE: With the FlexAble or flexible, the LiteGait® yoke and harness still provide full support to the LiteGait® User.

Adjusting Handle Bars

Raising and Lowering the Handle Bar

Loosen each knob in equal portions. The knobs should only need to be turned once to free the handle bars. Once the knobs are loosened slide the handle bars to the desired height. Hand tighten both knobs equally. The knobs should only need to be tightened one rotation.



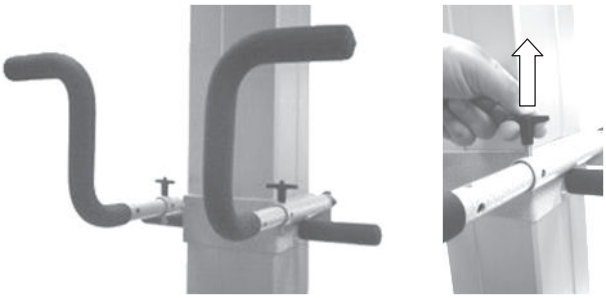
Adjusting Handle Bar Configuration

To adjust the configuration, perform the following steps.

Press the button on the quick release handle bar pin and pull outward.

Adjust handle bar insert to desired length and orientation.

Press the button on the quick release handle bar pin and insert handle bar pin. The pin can be inserted vertically and horizontally.



WARNING: LiteGait® Handle Bars are designed to be used as a balance aid while using the LiteGait. Excess loading of the handle bars may damage handle bars. Avoid Having patients lift their weigh using the handle bars.

Base and Casters

LiteGait® is equipped with four casters. There are two total locking casters and two directional lock casters. Each leg has one type of casters, the total locking are mounted on the left leg the directional locking are mounted on the right leg.

Locking and Unlocking Casters

Press tab to lock | Locked Caster

Total Locking Casters

Total locking casters are indicated by a red BRAKE sticker on the locking lever. To lock the total locking casters, press the tab until the brake snaps into place. The caster will lock the swivel of the caster and rotation of the wheel. Locking all four casters will make the device stationary.

NOTE: While locking the caster prevents rolling of the unit, it DOES NOT prevent the unit from sliding on a sloped, slippery floor. The unit should only be used on a flat floor away from stairs or ramps. NEVER leave a patient unattended in the unit.

Directional Locking Casters

Directional lock casters are indicated by a green STEER sticker in the locking lever. To lock the directional locking casters, press the tab and align the caster with the frame. Once Aligned this locks the swivel of the casters and is beneficial for walking in a straight path or placing Lite**Gait®** over a treadmill. Once the unit is positioned over a treadmill, all four caster brakes need to be locked

Directional Locking Casters with Treadmill

Position LiteGait® near the treadmill (or where you wish the patient to begin walking).

Roll LiteGait® towards the front of the treadmill, until the casters line up parallel to the treadmill (or parallel to the path the patient will follow—a hallway for example).

Press the directional locks to lock swivel of casters

LiteGait® can now be easily rolled back and forth over the treadmill or on a straight path in the therapy room or hallway.

BiSym Scale (Optional)

BiSym is a unique option available with **Lite**Gait® to measure unilateral or bilateral support. **Lite**Gait®'s special design includes a two-armed yoke which holds the patient above each shoulder. From these two points, the harness system can be adjusted to provide as much or as little support required to each side of the body. The range of support can vary on each side from full to no support.

BiSym measures this asymmetric support at any given time during the gait cycle. Each arm of the yoke is instrumented with a load cell with electrical connections to a box at the base of the yoke. This electronic box powers the load cells, processes the signals and displays the supported loads of each arm or total support on a display unit. This can be used for charting of therapy progression as well as accommodation of weight bearing status.

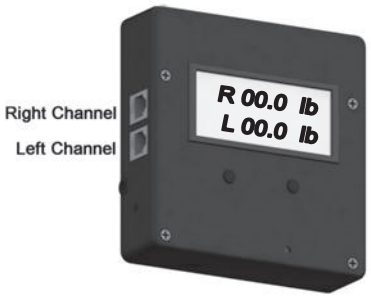
Optionally, digital outputs representing the supported loads on both sides of the body are provided for digital recording on to a PC.

These signals vary as the weight bearing load changes from the right to left side during the gait cycle. This can be used as biofeedback for the patient. The more weight bearing by the patient = better posture = less work by machine = smaller BiSym reading.

Connecting the BiSym

- Connect Corresponding Load Cell wires from BiSym ready LiteGait® yoke into BiSym Scale.
- Slide BiSym Scale onto the pre-installed bracket at the base of the yoke.

NOTE: Proper installation will leave the monitor visible to the patient supported in the LiteGait®



Using the BiSym Scale

Press any button to turn the BiSym Scale on.

The BiSym Scale has an AUTO SHUT-OFF that can be adjusting during the CHANGE SETTING? mode (see below)

Changing Display Modes

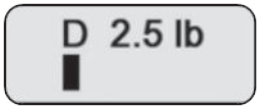
Press set to cycle through mode displays.

- Right Support
- Left Support
- Difference (Right - Left)
- Total (Right + Left)
- Both Supports

The top row displays the supported load in pounds (lb) or Kilogram (kg) depending on the setting. The bottom row displays a bar graph representing the value in the top row as a percentage of the specified weight (default value 100lb).

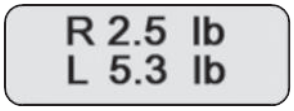
Right Support

Left Support



Difference (Right - Left)

Total (Right + Left)



Both Supports

Changing BiSym Settings

To enter settings mode

- Press and hold the SET button for 3 seconds or until display shows CHANGE SETTING?
- Press Set a second time to confirm change settings

After selecting the CHANGE SETTING? mode the BiSym will cycle through three screens

- Weight Unit Setting
- Auto Shut-Off Setting
- User/Patient Weight Setting

Selecting the units measurement for weight reading on the scale

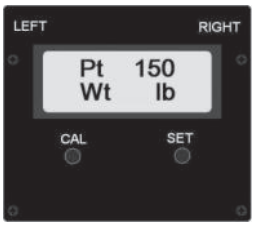
- After selecting the CHANGE SETTING? mode, the Weight Unit Setting screen will be displayed for three seconds.
- Press the set button to toggle between pounds (lb) and kilograms (kg).

Adjusting the Auto Shut-Off time

- After the Weight Unit Setting screen, the Auto Shut-Off Setting Screen will be displayed.
- Press the CAL button while on the Auto Shut-Off setting screen to adjust the Auto Shut-Off. The Auto Shut-Off should be set between 3 and 60 minutes

WARNING: SETTING THE AUTO SHUT-OFF TO 0 WILL DISABLE THE AUTO SHUT-OFF. THIS WILL DISABLE AUTO OFF FUNCTION ON THE BISYM SCALE RESULTING IN NO SHUT OFF OF THE BATTERY.

Setting the User/Patient Weight

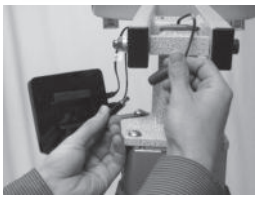


Press the Set button to add 10 pounds at a time to the pre-set value of 100. Set the value to the patient weight within the nearest 10 pound and the graphic display represents the percentage of the set weight being supported. The default setting to 100 reflects the actual weight of the patient.

Charging the BiSym Scale

The BiSym scale battery is charged by a charger separate from the LiteGait® device. The BiSym battery should be charged for **6 - 8 hours or overnight** once per month.

The BiSym is connected to the BiSym Battery cable located at the top of the LiteGait.



Disconnect the battery cable from the BiSym Scale.

Plug the male end of the charger cable into the female end of the battery cable. Plug the charger into the appropriate 110 or 220 volt outlet.

Setting the BiSym Zero Calibration

The zero calibration should only be set while the harness is attached to the LiteGait. Please make sure to connect the harness to the overhead straps prior to setting the zero calibration. There should be no additional weight attached to the harness. Zero Calibration should be performed WITHOUT a patient in the device.

Press the CAL button and hold for three seconds or until the monitor displays “ZERO CALIB” Confirm by pressing the SET button

Set the Left Zero by pressing the Set Button

Set the Right Zero by pressing the Set Button

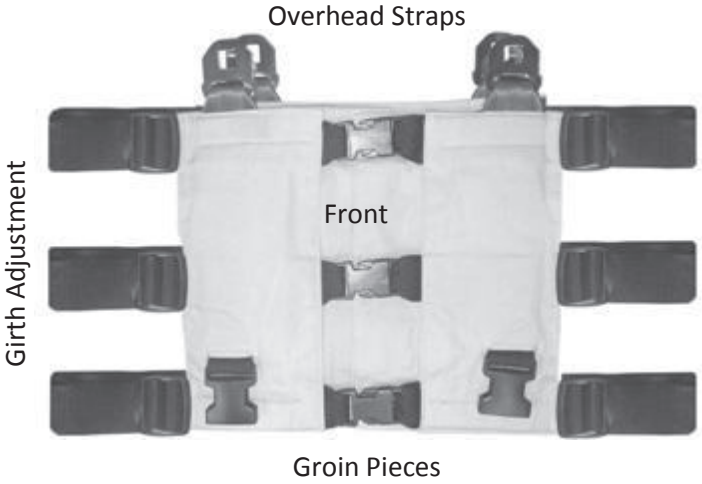
Test zero calibration by toggling through the weight readout screens. All screens should be displaying a zero pound or kilogram readout.

Harness Application

The harness was designed to support a patient in an upright position, allowing for full hip extension. This upright posture plays a critical role in the effectiveness of the gait therapy performed with partial weight bearing.

Harness Components

The front of the harness wrap refers to the point at which the two ends of the harness meet. The harness can be worn with the closure either in the front or in the back. There are four buckles on the top and bottom of the harness wrap. The four top buckles extend beyond the harness from the top seam and attach to the LiteGait® overhead straps. The bottom four buckles attach to the groin piece and do not extend past the bottom seam of the harness.



Preparing Harness for Application

1. Pick the appropriate harness (based on patient's girth) and groin piece **(based on patient's anterior-posterior diameter)** for the patient.
2. Adjust the groin strap buckles so there is symmetry in the straps-- equal strap length available on both ends of the padded groin piece and equal from side to side.
3. **Attach the groin piece to the back of the harness.**

NOTE: The side of the groin piece with the H-outline stitching (most padded) will go against the patient's body.

Estimating the Starting Size

Half the Girth Test

1. Estimate the harness girth before placing on the patient by folding the unbuckled harness in half so that the ends meet.
2. Hold the folded harness in front of the patients torso to estimate the width from one side of the body to the other.
3. Tighten or loosen the three rows of side straps on each side of the harness to estimated girth.

Symmetry Test

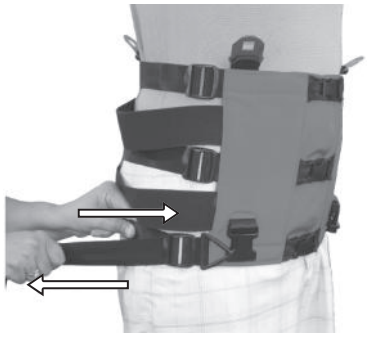
1. With the unbuckled harness folded in half, check the alignment of the top buckles (the ones that attach to the overhead straps of LiteGait). The buckles should line up / be adjacent to each other . If not adjacent , make small adjustment to side straps as needed to regain symmetry. Each side strap should be similarly lengthened to achieve symmetry.

Harness Application - While Standing

1. Wrap harness around patient with lowest side straps even with GREATER TROCHANTER.
2. Connect buckles top to bottom.
3. Adjust side straps* to the patient from bottom to top, alternate sides and tighten evenly. Be sure to maintain harness position at Greater Trochanter.

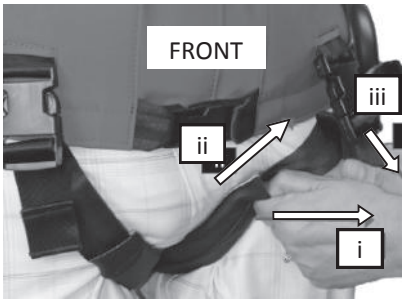
* To Tighten, push slack of strap towards buckle, while pulling free end as shown. Do not tighten top buckles over rib cage.

***NOTE:** A loose harness will ride up when overhead support is applied. This will cause discomfort in the groin region. A snug harness with no slack will grab the pelvic girdle and hold in place distributing weight evenly throughout harness wrap.*

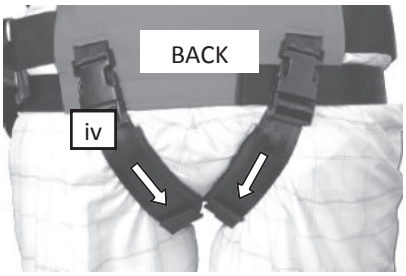


Quick Check
- *2 fingers should NOT fit between strap and body.*
- *Bulges of tissue may be present between girth adjustment straps if adjusted appropriately.*

Attaching Groin Pieces



1. Route the groin piece between legs to front.
2. Connect both buckles - one on each side.
3. Tighten the groin strap snugly so there is NO slack.
   To tighten, grab the groin strap or strap cover and:
   i. Pull out toward adductor surface of leg.
   ii. Pull up toward groin piece buckle.
   iii. Use other hand to pull down on excess strap on free end, then **repeat** on other leg.
   iv. Tighten back straps in the same fashion to remove all slack.



Quick Check
- *Groin Piece should have NO Slack. Padding should be equal front and back. Padding should cover most of the inner leg with little or no exposed strap.*
- *Pull on top buckles, if harness moves up torso, straps require additional adjustment.*

NOTE: A LOOSE GROIN PIECE DOES NOT IMPART GREATER COMFORT TO THE PATIENT, BUT ALLOWS THE HARNESS TO SLIDE UP THE TRUNK, PUTTING UNWANTED LOAD/FORCE ON THE GROIN AREA. TIGHTEN THE GROIN STRAP SO THAT NO SLACK REMAINS IN THE STRAPS. THIS ASSURES THAT THE HARNESS WILL NOT RIDE UP ON THE PATIENT.

Harness Application – In Supine

1. Roll patient away from you.
2. Attach groin piece and place harness on patient with half of the harness rolled and under patient. (Figure 1)
3. Hold harness in place with lowest strap at greater trochanter
4. Roll patient into supine.
5. Pull harness around.
6. Straighten harness. Reach behind patient to feel back buckle position. Check for symmetry. (Figure 2)
7. Connect front buckles
8. Tighten all 6 side straps with leg straight. (Figure 3)
9. Connect the groin piece to the front buckles and tighten as in previous section. (Figure 4)
10. Roll patient away from you
11. Tighten back straps of groin piece, removing all slack. (Figure 5)

Figure 1

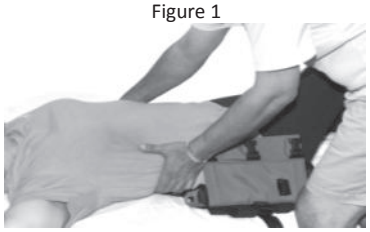


Figure 2

Figure 3

Figure 4

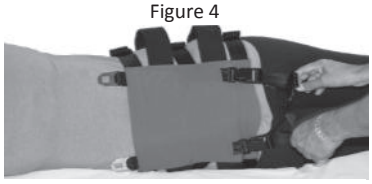


Figure 5

Quick Check

- *Harness should be equally spaced from side to side*

Leg Strap Application

1. Wrap Velcro thigh cuff portion below bulk of thigh and above knee so strap does not interfere with knee function.
2. Strap should be perpendicular to ground and pointing up toward the hip on the outside of leg.
3. Connect male buckles on leg straps into plastic groin piece female buckles.
4. Tighten all three straps keeping center strap perpendicular to the ground and on the lateral surface of the leg. The bifurcation point on the strap (where the strap splits into two) needs to be at the hip joint axis of rotation to maintain symmetry.
5. Straps must be tightened completely, using a two-handed technique and getting rid of all slack, to properly anchor the harness in place and properly transfer the support to the thighs.

CAUTION: SITTING WHILE IN THE LEG STRAPS WILL DISPLACE THE HIP AXIS OF LOCATION AWAY FROM AND OUT OF THE LEG STRAPS; REPOSITIONING OF THE LEG STRAPS WILL BE NECESSARY.

Connect the Harness to your LiteGait®

1. Lock all four casters to make the device stationary and adjust the yoke to the correct position, giving the patient approximately 5 to 6 inches of head clearance.
2. Extend the overhead straps until they are long enough to reach the metal buckles on the harness. Attach the four buckles that hang from the overhead straps to the appropriate buckles on the harness. Pull (shorten) the back straps until there is no slack. Leave a few inches of slack in the front straps.
3. Once the patient is connected, unlock casters. With one hand on LiteGait, press up button on hand switch to lift patient into a standing position. Roll LiteGait® forward slightly while lifting so patient ends up directly under the yoke buckles. If desired, have patient hold handlebars during sit to stand. If necessary, adjust height of the handlebars to suit the patient.
4. Re-adjust overhead straps to maximize postural support as necessary. To tighten (shorten) strap, gently lift up on the connected section of the strap and pull down on the loose end of the strap simultaneously. To lengthen strap, lift metal tab up and out and then pull down on strap. Repeat as necessary for all straps.
5. The unit can now be used for over ground therapy or to assist the patient in stepping up onto the treadmill.

If Lifting is not Necessary

With higher level patients who don't need assistance to achieve standing, the harness may be connected to the LiteGait® with the patient standing on the floor or over the treadmill.

1. Lock all four casters to make the device stationary and adjust the yoke to the correct position, giving the patient approximately 5 to 6 inches of head clearance.
2. Extend the overhead straps until they are long enough to reach the metal buckles on the harness. Attach the four buckles that hang from the overhead straps to the appropriate buckles on the harness. Adjust all straps to maximize postural support as necessary.
3. If handlebars are desired, adjust height of the handlebars to suit the patient.
4. The unit can now be used for over ground therapy or to assist the patient in stepping up onto the treadmill if necessary.

Stepping up onto Treadmill

1. Position LiteGait® unit at the end of the treadmill walking surface (if not already there) and **lock both directional casters**.
2. Standing beside the patient, slowly roll the unit forward toward the front of the treadmill while simultaneously pressing the up button on the hand switch.
3. While continuing to press the up button, assist the patient with stepping up onto the treadmill as needed.
4. Once the patient is standing on the treadmill, quickly re-tighten the overhead straps if necessary to increase the support provided by the unit, or use the lift mechanism to increase the overall support. In some cases it may be necessary to tighten all four overhead straps in order to decrease the distance between the patient's head and the overhead support (to achieve the ideal 5 to 6 inches of head clearance).
4. Roll the unit to the front of the treadmill and **lock the caster brakes**.
5. Double check to see that the unit is locked into place and that the patient is in the center of the treadmill walking surface.
6. Adjust the handlebars to the appropriate height.

CONTINUED ON PG 24

Stepping up onto Treadmill (Continued)

7. To exit the unit, reverse the process. Keep **directional casters** locked until the LiteGait® is at the end of the treadmill. It is helpful to ensure that the **locking casters** are nudged into an outward rolling position so they do not get caught on the treadmill as they roll.
8. Keep in mind that some patients will need to sit directly into a chair at the end of their session even if they started the session in standing.

Over Ground Therapy

Follow "Connect the Harness to your LiteGait® and Lift Patient" steps as noted in previous section. LiteGait® can be used over ground to perform gait training as well as to provide support for a variety of other activities such as balance training, therapeutic exercise, postural support for ADL, etc. Please refer to your booklet "Protocols for Partial Weight Bearing Gait and Balance Therapy" for more information, or email our clinical support department at clinicalsupport@litegait.com.

NOTE: THE CASTER BRAKES SHOULD BE LOCKED WHENEVER THE UNIT IS STATIONARY. RELEASE THE CASTER BRAKES ONLY FOR MOVEMENT OF THE UNIT.

Over Treadmill

Over Ground

Unit Care and Maintenance

LiteGait® Maintenance

Your LiteGait® has been specially designed to be durable and relatively maintenance free. The frame is constructed from high strength steel, and has been painted with a special powder coat to resist rust and scratches.

Cleaning Frame:

Frequency	*** FOLLOW STANDARD FACILITY INFECTION CONTROL PROCEDURES.**
Cleaning Agent	DILUTED WINDEX TYPE CLEANING SOLUTION
Drying Method	WIPE DRY WITH CLEAN CLOTH
Special Cleaning	WD-40 CAN BE USED TO REMOVE DIRT OR OILY SPOTS.

Harness Maintenance

All harnesses and groin straps, including the iHarness, can be washed in hot water up to 80°C according to facility infection control guidelines. Harnesses should be dried with low or no heat tumble dry. The iHarness and the overhead LG straps can also be wiped with disinfection wash, per facility infection control procedures. Use of bleach is discouraged and may effect the permeability of the harness material.

	iHarness & iGroin Pieces	**Overhead Straps**
Frequency	Facility infection control guidelines	
Cleaning Agent	Facility infection control guidelines	
Water Temperature	WASH IN UP TO 176°F (80°C)*	
Drying Method	HARNESSES SHOULD BE DRIED WITH LOW OR NO HEAT TUMBLE DRY	
Special Cleaning	WIPED WITH DISINFECTION WASH, PER FACILITY INFECTION CONTROL PROCEDURES	

* Water temperatures between 104°F and 176°F may cause wrinkling of the iHarness material.

Harness Storage

The harness has been made of an durable fabric to retain its shape and effectiveness through many uses and washings. However, it is imperative that the harness be stored properly to prevent damage to the buckles. When not in use, store the harness in a place or area that will prevent the harness from being stepped on or rolled over. The crushing downward force of a wheel chair or cart rolling over the harness would damage the buckles, making the harness ineffective and unsafe for further use.

To maintain the highest quality of function and safety, it is extremely important that you conduct regular maintenance checks of your LiteGait® unit and all of its parts. Please refer to the following checklist for an inspection guideline. If you should have any questions concerning the functional status of any of the LiteGait® parts, please contact the Technical Support department immediately at **technicalsupport@LiteGait.com**. It is recommended that you inspect the LiteGait® unit and all of its parts every 6 months.

Please rate the function of each item as follows:

1 = POOR 2 = FAIR 3 = GOOD 4 = EXCELLENT.

A rating of FAIR (2) or POOR (1) indicates that that part should be immediately replaced to maintain the safe and effective use of the equipment.

Check All Components
Functionality
Cracks or Tears
Exposed or Frayed Wires
Loose/Rusted Bolts
Discoloration/Degradation

Check List		Recommended Replacement Schedule
Battery	☐	24-30 Months
Charger	☐	*
Hand Switch	☐	*
Harness Wrap	☐	18-24 Months
Groin Pieces	☐	18-24 Months
Overhead Straps	☐	*
Casters	☐	*
Knobs / Pins	☐	*
Grips / Covers / Caps	☐	*
Buckles	☐	*
Base	☐	*
Actuator	☐	*

*Replace As Needed Based on Condition

Please Send Copy of Completed Form Every 6 Months to Mobility Research Technical Support

Fax: 480-829-0737
Email: TechnicalSupport@LiteGait.com
Website: http://litegait.com/techsupport.html

Mail: Mobility Research — Technical Support
P.O. Box 3141
Tempe, AZ 85280

Maintenance Contact Information

Facility Name	City	State
First	Last	Title
Phone	Fax	Email

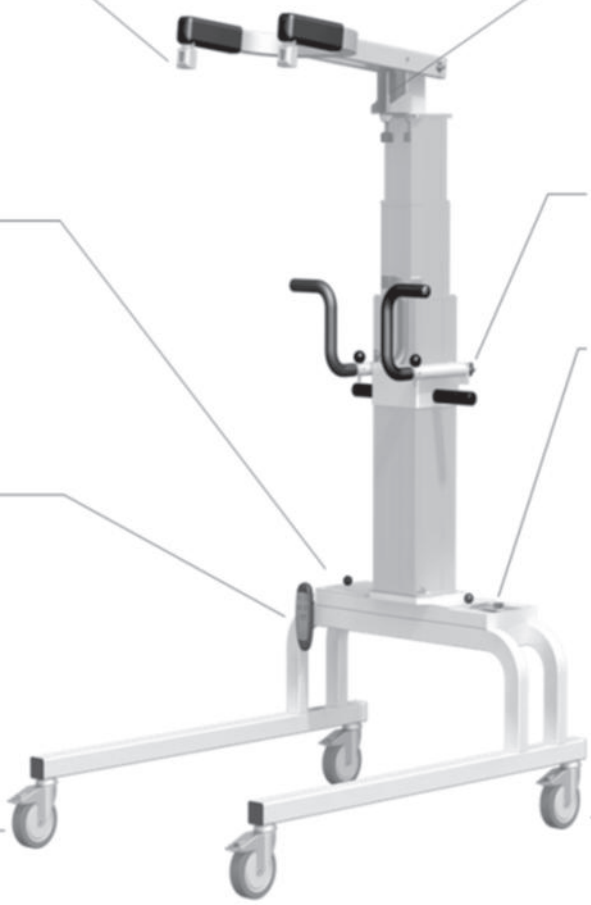
Model	Serial Number	

Buckle Assembly
Pull back coverings on end of yoke arms to expose buckle assembly. Ensure the bolts securing the buckle assembly are tight and that the buckle assemblies are firmly secured to the yoke.

Battery
A battery that loses charge quickly or requires charging more than the recommended once per week overnight should be replaced. Batteries should be replaced once every 24 to 30 months to maximize functionality.

Hand Switch & Cord
Test actuator to see if UP and DOWN Buttons make actuator raise and lower.

Total Locking Casters
Casters should lock in place when the BRAKE tab is pressed. The caster should not swivel and the wheel should not rotate. When unlocked the casters should swivel and rotate freely.



FlexAble
Examine knob for wear. When knob is loosened support should be flexible. When knob is tightened support should be rigid. Tighten nut to secure FlexAble in position.

Handle Bar Knobs/Pins
Knobs should screw in and out with ease. When tightened snug, the handle bars should be secured into position

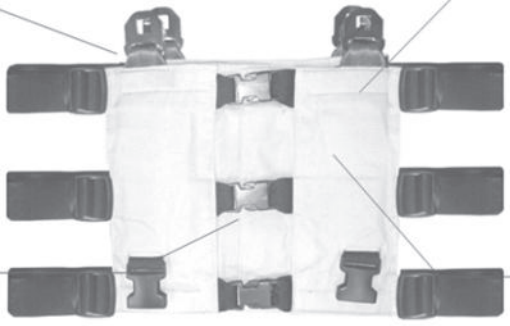
Power System
Inspect the red on/off switch for functionality. With the button up the device should raise/lower and the battery display should show the charge on the battery. When plugged into an outlet the green ON LED should light. The yellow CHARGE LED will light when the battery is charging

Directional Locking Casters
When the STEER tab is pressed, the swivel of the caster should lock when the caster is aligned with the leg of the base. The device should still move forward and backward with ease.

Wear On Buckle Straps

Broken Connectors

Wear On Covers



Harness Wrap

Loose Stitching

Fabric Tears

Groin Piece

Overhead Strap

Damaged Buckles

Troubleshooting - Power System

Symptom: Actuator Does Not Raise or Lower	
1. Possible Cause:	*Resolution:*
Low Battery Charge / Battery need to be Replaced.	Charge the battery following the appropriate charging instructions until full charge. If charging does not resolve issue contact Technical Support for replacement battery information.
3. Possible Cause:	*Resolution:*
Loose Cable Connection	Disconnect cables from Control Box. Firmly reconnect cables ensuring a secured connection
4. Possible Cause:	*Resolution:*
Other Power System Issue	Contact Technical Support for further troubleshooting.
Symptom: Battery Does Not Charge	
1. Possible Cause:	*Resolution:*
Device is Not Connected to Power Outlet	Connect charge cable to appropriate 110V outlet. (220V for International Customers when applicable).
2. Possible Cause:	*Resolution:*
Charging Cord is Not Connected Properly	If the green LED indicates the charger is connected to a power outlet. Once the charger is connected the green LED turns red. Once the battery is fully charged, the LED turns back to green.
3. Possible Cause:	*Resolution:*
Power Outlet is Faulty	Check Outlet with another electrical device to ensure proper function of outlet.
4. Possible Cause:	*Resolution:*
Battery not been charged for an extended period.	If battery is not charged for an extended period the voltage may be too low to charge. Contact Technical Support for replacement battery information.
5. Possible Cause:	*Resolution:*
Battery has been in service for 30 months or more.	Contact Technical Support for replacement battery information
6. Possible Cause:	*Resolution:*
Other Power System Issue	Contact Technical Support for further troubleshooting instruction.
Symptom: Battery Does Not Hold Charge	
1. Possible Cause:	*Resolution:*
Low Battery Charge	Charge the battery following the appropriate charging instructions until full charge.
2. Possible Cause:	*Resolution:*
Battery Needs to Be Replaced	Contract Technical Support for replacement battery information.

Troubleshooting - Casters

Symptom: Device Does Not Roll Easily	
1. Possible Cause:	*Resolution:*
One or both of the Total Locking Casters are Locked.	The Total Locking Casters are labeled with a red BRAKE sticker. Unlock the Total Locking Casters.
2. Possible Cause:	*Resolution:*
One or both Directional Locking Caster are misaligned	The Directional Locking Casters are labeled with a green STEER sticker and engage when the caster is aligned with the leg of the base. If the LiteGait® does not move forward and backward when the directional locking casters are locked they are not aligned properly. Contact Technical Support for further repair instruction.
3. Possible Cause:	*Resolution:*
One or more of the casters are loose and are no longer secured to the frame or are damaged	Contract Technical Support for repair information and.
Symptom: Device Does Not Stay Stationary when Locked	
1. Possible Cause:	*Resolution:*
One or more of the casters is not locked.	Make sure all four casters are locked to make the device stationary.
NOTE: If all casters are locked appropriately, contact Technical Support for further information.	

Troubleshooting - Harness

Symptom: Patient is complaining of groin or harness discomfort.	
1. Possible Cause:	*Resolution:*
The harness wrap and/or the groin piece are not tight enough.	The harness and groin piece should be securely tightened from the start.* The harness wrap should be tight enough to grab on to the fatty tissue around the abdomen. The groin piece should then be tightened securely to keep the harness from riding up on the patient and creating unwanted pressure in the groin area. A towel or a piece of foam can be wrapped around the patient's abdomen for added padding if needed.
Symptom: Harness is riding up on the patient causing pressure in the groin piece area	
1. Possible Cause:	*Resolution:*
Groin piece has slack, harness rides up making groin straps the only source of support	The bottom two straps on the harness wrap must be tightened securely, the top one only if it rests below the rib cage. Applying the harness and groin piece loosely will cause them to slide upward.*
Symptom: Frontal overhead straps are causing discomfort in the chest area of female patients.	
1. Possible Cause:	*Resolution:*
The distance between the overhead straps places load on breasts.	Use an extender to increase the front panel size and distance between the overhead straps possibly avoiding the chest tissue. Conversely, the harness wrap placed on the patient with opening in the back results in overhead straps getting closer to each other in the front.
Symptom: The overhead straps slip off of patients shoulders	
1. Possible Cause:	*Resolution:*
The overhead straps are too far apart.	Place the harness wrap with the opening in the back. This will bring the overhead straps closer to each other.
Symptom: The patient cannot stand to properly position and tighten the harness and groin piece.	
1. Possible Cause:	*Resolution:*
Patient is too weak or unsafe to stand	Apply the harness in supine position. Avoid harness application in sitting as it reinforces flexed hip position.

Troubleshooting - Digital BiSym (Optional)

Symptom: BiSym Display Is Not Powering On	
1. Possible Cause:	*Resolution:*
Battery is Not Connected to BiSym Display	Connect Battery cable to BiSym Display
2. Possible Cause:	*Resolution:*
Low Battery Charge	The Digital BiSym is powered by a separate battery located near the top of the Lite**Gait®**. Charge the BiSym Battery following the Digital BiSym charging procedure.
3. Possible Cause:	*Resolution:*
Battery Needs to be Replaced	Contact Technical Support for replacement battery information.
Symptom: BiSym Display is Not Reading Weight	
1. Possible Cause:	*Resolution:*
Load Cell Cables are Not Connected	On the left side of the scale there should be three cables, two that look like phone jack connectors and one that connects to the top of the LiteGait®. Confirm that the cables are securely attached to the BiSym display.
NOTE: If load cells are connected properly and the BiSym continues not to read weight, contact Technical Support for further information.	
Symptom: BiSym Display is Not Reading Zero When No Weight is on LiteGait.	
1. Possible Cause:	*Resolution:*
Harness is Moving Slightly	Any movement in the harness may cause some noise in the BiSym Scale reading. A reading near zero is a normal occurrence.
2. Possible Cause:	*Resolution:*
BiSym scale requires Zero Calibration	Refer to Zero Calibration Instructions from BiSym section of manual.
Symptom: BiSym Does Not Automatically Power Down.	
1. Possible Cause:	*Resolution:*
Auto Shut OFF is set too long or set to ZERO	Refer to the Change Settings from BiSym section of manual.
2. Possible Cause:	*Resolution:*
Issue with BiSym	Contact Technical Support for further troubleshooting instruction.

Parts List

LiteGait® **I Parts List – Harness and Accessories**			
Standard Adult Harness	Harness Wrap w/Overhead straps, covers and groin pieces	HAIN	1
Standard Adult Harness Wrap	A rigid, washable cloth wrap used with attachments that provide postural support to the patient	HAIN-A1013	1
10.5” Groin Piece for HA	10.5” Padded, adjustable piece which connects to the harness and is positioned between the legs.	HAIN-GP10	1
13” Groin Piece for HA	13” Padded, adjustable piece which connects to the harness and is positioned between the legs.	HAIN-GP13	1
9” Groin Piece for HA (OPTIONAL)	9” Padded, adjustable piece which connects to the harness and is positioned between the legs.	HAIN-GP9	1
Harness Extender (OPTIONAL)	7.5” extension to plug into front of the harness wrap.	PHAEX	1
HA / HS Leg Straps (OPTIONAL)	Adjustable piece which connects to the harness and is positioned around the legs for small adult / Adult Harness	HSCS	2
Small Adult Harness	Harness Wrap w/Overhead straps, covers and groin pieces	HSIN	1
Small Adult Harness Wrap	A rigid, washable cloth wrap used with attachments that provide postural support to the patient	HSIN-A910	1
9” Groin Piece for HS	9” Padded, adjustable piece which connects to the harness and is positioned between the legs.	HSIN-GP9	1
10.5” Groin Piece for HS	10.5” Padded, adjustable piece which connects to the harness and is positioned between the legs.	HSIN-GP10	1
HA / HS Leg Straps (OPTIONAL)	Adjustable piece which connects to the harness and is positioned around the legs for small adult / Adult Harness	HSCS	2
Junior Harness	Harness Wrap w/Overhead straps, covers and groin pieces	HJ	1
Junior Harness Wrap	A rigid, washable cloth wrap used with attachments that provide postural support to the patient	HJIN-A68	1
6” Groin Piece for HJ	9” Padded, adjustable piece which connects to the harness and is positioned between the legs.	HJIN-GP6	1
8” Groin Piece for HJ	10.5” Padded, adjustable piece which connects to the harness and is positioned between the legs.	HJIN-GP8	1
Diaper Harness	Harness Wrap w/Overhead straps and covers	HDJ	1
Diaper Harness Wrap	A rigid, washable cloth wrap used with attachments that provide postural support to the patient	HDJ-A	1
Overhead Strap	Seatbelt like straps with one male and one female connection. The male end connects into the buckles on the yoke. The female end connects into the buckles on the harness.	HA-B	4
Overhead Strap Cover	The soft, cushioned material covering the female buckles of the straps that attach to the harness.	HA-C	4
LiteGait® **I Parts List – Power System**			
POWER SYSTEM	The electrical system that controls the positioning of the actuator.	PS50E	1
Actuator Cord	A split red and green color coded connection cord that electrically connects the control box to the actuator.	PS50E-A	1
Battery	24V battery pack.	PSSLD-B	1
Control Box	The electric junction box.	PS50E-C	1
Charger Cord	The AC adapter cord that plugs into a wall outlet and the control box.	PSSLD-CH-A	1
Hand Switch	The switch connects to the control box. The buttons allow for the adjustment of the height of the device.	PS50E-E	1
Battery Cover	Rectangular metal plate that covers batteries.	PS50E-G	1
Control cover	Rectangular metal plate, with a wedge removed, which covers the Control Box.	PS50E-H	1

LiteGait® **I Parts List – Base**			
Base ASSEMBLY COMPLETE	LOW 30” inner frame	B40G30L	1
	STND 30” inner frame	B40G30	1
	STND 34” inner frame	B40G34	1
	LOW 34” inner frame	B40G34L	1
	PLFM 34” inner frame	B40G34	1
	STND 31” inner frame (LG I 500E/ES ONLY)	B50G31	1
	STND 34” inner frame (LG I 500E/ES ONLY)	B50G34	1
Base Cap	The 2 x 2 inch, black covers for the legs of the base.	B40G30L	1
Total Locking Casters	Wheel with hardware that locks via a tab labeled with a red BRAKE sticker.	B40G30L-C	2
Directional Locking Caster	Wheel with hardware that locks into one direction via a tab labeled with a green STEER sticker.	B40G30L-D	2
LiteGait® **I Parts List – Handle Bars**			
HANDLEBARS ASSEMBLY COMPLETE	Complete handlebars include handlebar arms and metal frame.	HB50E	1
Handlebars Base Box	Part of the handlebars that encompasses the circumference of the actuator/post.	HB50E-A	1
Handlebar Plate	Flat plate that sits between the posterior knobs to fasten and the handlebars base box.	HB50E-B	1
Knobs	Posterior knobs used to fasten plate to handlebars base box. These are round and allow the handlebars to be securely locked into the correct position on the actuator/post.	HB50E-C	2
Handle Covers	Black 5” covers for the handles of the handlebars base box.	HB50E-D	2
Adjustable Handles	Handle is connected to the handlebars base box and can be positioned proximal or distal and locked into place with handle pin. ***Does not include patient grip covers.***	HB50E-G	2
Patient Grip Covers	Black 6” covers for the adjustable handles..	HB50E-E	2
Handle Pin	Press Button Quick Release Pin used to reposition the adjustable handles.	HB50E-F	2
LiteGait® **I Parts List – Yoke**			
FlexAble Yoke Assembly Complete - Straight	The complete top Y-shaped portion of the unit with buckles attached. Unit Includes, FlexAble, Straight Bracket and load cells for BiSym Scale.	Y50E	1
FlexAble Yoke Assem. Complete - BiSym Ready – Straight	The complete top Y-shaped portion of the unit with buckles attached. Unit Includes, FlexAble, Straight Bracket and load cells for BiSym Scale.	Y50EZ	1
FlexAble Yoke Assembly Complete – Drop Downh	The complete top Y-shaped portion of the unit with buckles attached. Unit Includes, FlexAble, Drop Down Bracket and load cells for BiSym Scale.	Y50ED	1
FlexAble Yoke - BiSym Ready Assem. Complete - Drop Down	The complete top Y-shaped portion of the unit with buckles attached. Unit Includes load cells for BiSym Scale	Y50EDZ	1
Buckle Assembly	The 2 x 2 inch, black covers for the legs of the base.	Y40E-A	1
Socks	Wheel with hardware that locks via a tab labeled with a red BRAKE sticker.	Y40E-B	2
Cartridge	Sits between the Yoke and the post attachment and is cylinder shaped. Blank or Flexable	Contact Mobility Reserach	1
LiteGait® **I Parts List – Actuator**			
ACTUATOR/POST(E Models)	Battery operated lift mechanism with 1000mm stroke	P50M	1
ACTUATOR/POST(ES Models)	Battery operated lift mechanism with 80mm stroke	P50MS	1
Bolts for Base	3/8 in –16 Standard	P50MS-C	4
Bolts for Yoke	11 mm Standard	P50MS-D	4
LiteGait® **I Parts List – Digital BiSym**			
Digital BiSym Scale	A digital read out scale that displays the amount of load reduction on the lower extremities.	PBSD	1
Digital BiSym Battery	12V Battery for Digital BiSym	PBSD-B	1
Digital BiSym Charger	12V DC adapter cord that plugs into a wall outlet and connects to Digital BiSym Battery.	PBSDB-C	1

If you should have any questions or would like to place a part order, please contact:
Phone: Technical Support at 1-800-332-9255 ext. 7104 Email:technicalsupport@litegait.com

Resource Directory

PHONE:

1.800.332.WALK (9255)
Toll free in U.S. and Canada

FAX:

480.829.0737

WEBSITE:

www.LiteGait.com
www.LiteGait.org

EMAIL DIRECTORY:

Technical Support	**TechnicalSupport@LiteGait.com**
Clinical Support	**ClinicalSupport@LiteGait.com**
Education Department	**Education@LiteGait.com**
Sales Department	**Sales@LiteGait.com**

POSTAL ADDRESS:

Mobility Research
P.O. Box 3141
Tempe, AZ 85280

(2015US)

mobility research

LiteGait®
The Original Partial Weight Bearing Gait Therapy Device

Limited Warranty Certificate

The Mobility Research warranty covers applicable parts and labor for repair or replacement as listed below†:

- 3 years on frame components due to broken or damaged welds.
- 3 years on the lift mechanism actuator
- 1 year on harness stitching, buckles and casters.
- 1 year on all electronics* - control box, wiring, charger, etc.
- 3 months warranty on battery due to defect

Losses due to work stoppage, lost revenues, damages due to neglect or abuse **ARE NOT** covered by this warranty. Shipping and handling charges **ARE NOT** covered by this warranty. Tampering or modification on any and all components by unauthorized personnel is discouraged and will void your warranty.

THIS WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. MOBILITY RESEARCH SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF MOBILITY RESEARCH INC. CANNOT LAWFULLY DISCLAIM IMPLIED WARRANTIES UNDER THIS LIMITED WARRANTY, ALL SUCH WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. NO MOBILITY RESEARCH RESELLER, AGENT, OR EMPLOYEE IS AUTHORIZED TO MAKE ANY MODIFICATION, EXTENSION OR ADDITION TO THIS WARRANTY. MOBILITY RESEARCH IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOST PROFITS, DOWNTIME, GOODWILL, OR DAMAGE TO EQUIPMENT AND PROPERTY.

† Warranty excludes damage due to normal wear and tear, tampering with any components, from misuse and abuse, caused by cleaning and acts of God. Warranty does not cover losses due to work stoppage, lost revenue(s), and damages due to neglect. Warranty excludes GaitKeeper Treadmills. Shipping and handling charges are not covered by this warranty.
*If present.

*In order for us to provide the very best in customer support, please **activate** your warranty by providing the following information. This information will allow us to notify you for product updates, recall information, clinical support, technical support, maintenance information and to receive our E-Newsletter. You may visit our website at http://www.litegait.com/warranty.html and submit this form or fill in the information below and mail or fax back. (Keep a copy for your records)*

Model	Serial number	Date of purchase
Facility Name:		Dept. used in
Address		Phone ( )
		Fax ( )
Clinical Contact Name		email
Maintenance Contact Name		email

Products, Education, and Rehabilitation Solutions

Mobility Research Inc., P. O. Box 3141, Tempe AZ 85280

Phone: 1-800-332-9255 / 480-829-1727 Fax: 480-829-0737

Email: warranty@LiteGait.com