



# KateZ Lift User Manual



**Dealer:** This manual must be given to the user of the KateZ Lift.

**User:** Before using KateZ Lift, read this manual and save for future reference.

## Warnings



WARNING! A qualified technician must perform the initial set up of this KateZ Lift.

Do not use your **KateZ Lift** without first completely reading and understanding the instructions in this manual. If you are unable to understand the warnings, cautions or instructions, contact your dealer before attempting to use this equipment - otherwise, injury or damage may occur. Save this manual for future reference.

Also, do not use your **wheelchair** without first completely reading and understanding any instructional material such as owner's manuals, service manuals or instruction sheets supplied with your wheelchair.

Table of Contents

Warnings ..... 2

Table of Contents..... 3

Important Safety Precautions ..... 4

Safety/Handling ..... 6

Operation ..... 8

Care and Maintenance..... 16

Troubleshooting..... 17


Limited Warranty ..... 18

Patent Pending..... 19

## Important Safety Precautions

### Special Words/Icons

This user guide contains the following words and icons to callout unsafe practices which could result in personal injury or property damage.


-  **WARNING** signifies a potentially hazardous action which could result in death or serious injury.
- **PROHIBITED** signifies an action that cannot happen.
- **MANDATORY** signifies a step you must take before continuing on.

### Manual Updates

The information contained in this manual is subject to change without notice. See <http://www.ezliftsystems.com> for the most up-to-date manual information.

### Weight Limitations

The KateZ Lift has a weight limitation of 250 lbs above and beyond the weight of the wheelchair.

 **WARNING!** Adding accessories or a different seat will increase the weight of your wheelchair. Verify with your authorized dealer that the total weight of your wheelchair, KateZ Lift and any other additions does not exceed the maximum allowance for the KateZ Lift.

### Seat Positioning Strap

**ALWAYS** wear your seat positioning strap. Inasmuch as the seat positioning strap is optional on wheelchairs, using it is strongly recommended as an additional safeguard for the wheelchair user. Serious injury can occur in the event of a fall from a wheelchair in a lifted position. If signs of wear appear, belt **MUST** be replaced **IMMEDIATELY**.

## **Lift Stability**



KateZ Lift must be used on stable ground. Although sensors will prevent the lift from raising on unstable ground, never use the lift on a slope greater than 5°. or uneven surfaces, on slick or wet surfaces, or surfaces prone to shifting (such as gravel or sand). Using KateZ Lift on unstable ground may adversely affect the stability of the wheelchair, resulting in serious bodily injury to the user and passenger and damage to the wheelchair and surrounding property.

## **Reaching and Leaning Safety** (See the Safety/Handling section for more detailed information)

Negatively affecting the center of gravity on a wheelchair can easily be done with extended motions such as reaching or leaning. These actions make the wheelchair more prone to tipping over. The consequences of these extended motions are further increased when in a lifted position. Once you affect the center of gravity, the wheelchair is instantly more prone to tipping over. Instead of reaching or leaning, you should do the following:

1. Move the wheelbase as close as possible to where you need to be.
2. Use a tool like an extension grabber to pick up things beyond your reach.

## Safety/Handling

- Be sure to reference your wheelchair safety manual for any safety concerns.
-  **WARNING!** ALWAYS wear your seat positioning strap. Inasmuch as the seat positioning strap is optional on wheelchairs, using it is strongly recommended as an additional safeguard for the wheelchair user. Serious injury can occur in the event of a fall from a wheelchair in a lifted position. If signs of wear appear, belt **MUST** be replaced **IMMEDIATELY**.
- The KateZ Lift must be used on stable ground. Although sensors will prevent the lift from raising on unstable ground, never use the system on a slope greater than 5°. or uneven surfaces, on slick or wet surfaces, or surfaces prone to shifting (such as gravel or sand). Using the KateZ Lift on unstable ground may adversely affect the stability of the wheelchair, resulting in serious bodily injury to the user and passenger and damage to the wheelchair and surrounding property.
- Be aware that carrying heavy objects on your lap while raising the wheelchair may adversely affect the stability of the wheelchair, resulting in serious bodily injury to the user, damage to the wheelchair and surrounding property.
- Many activities require the wheelchair owner to reach, bend and transfer in and out of the wheelchair. These movements will cause a change to the normal balance, the center of gravity, and the weight distribution of the wheelchair. Practice bending, reaching and transferring activities in several combinations while keeping your center of gravity in the presence of a qualified healthcare professional before attempting active use of the wheelchair in lift position. When reaching, leaning, or bending forward, it is important to keep your center of gravity in the center of the wheelchair to maintain stability and balance.
- Reaching, leaning and bending forward -  **WARNING!** DO NOT attempt to reach objects if you have to move forward in the seat.

Reach forward only as far as your arm will extend without changing your sitting position.



[Figure 1. Reaching, leaning forward]

- Reaching, leaning backwards - ⚠️ WARNING! DO NOT lean over the top of the back upholstery to reach objects behind you, as this may cause the wheelchair to tip over.

Position wheelchair as close as possible to the desired object. Reach back only as far as your arm will extend without changing your sitting position.



[Figure 2. Reaching, leaning to side]

- Reaching, leaning to the side - ⚠️ WARNING! DO NOT lean over the side of the armrests to reach objects next to you, as this may cause the wheelchair to tip over.

Position wheelchair as close as possible to the desired object. Reach to the side only as far as your arm will extend without changing your sitting position.



[Figure 3. Reaching, leaning backward]

- Note to wheelchair assistants
  - ⚠️ WARNING! Do not tip, use on stairways or escalators position!
  - If transferring while in lift position to something at the same level, make sure the chair remains stable during the transfer.

## Operation

Be sure to reference any wheelchair manuals for any wheelchair operational concerns.

### General Operation guidelines

- Unless otherwise noted, all service and adjustment should be performed while the wheelchair is unoccupied.
- Practice bending, reaching and transferring activities in several combinations while keeping your center of gravity in the presence of a qualified healthcare professional before attempting active use of the wheelchair in lift position. When reaching, leaning, or bending forward, it is important to sit back in the chair to keep your center of gravity in the center of the wheelchair to maintain stability and balance.
- If the KateZ Lift battery is exposed to extreme temperature (above 100°F or below -4°F), high humidity and/or becomes wet, prior to use, it must be allowed time to adjust to the difference in environmental conditions before being used. Otherwise, damage or injury may occur.
- Avoid storing or using the KateZ Lift near open flame or combustible products. Serious injury or damage to property may result.

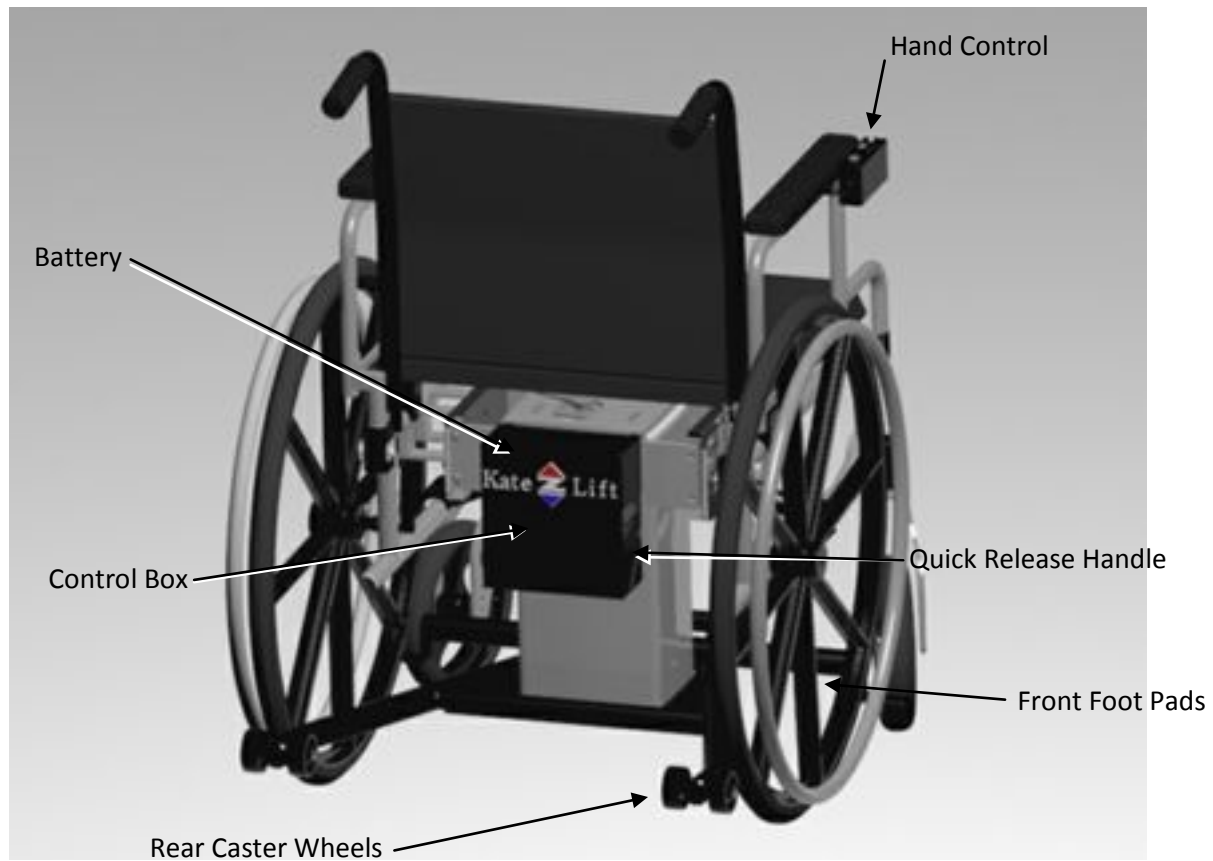
### DO NOT

- DO NOT attempt to reach objects if you have to move forward in the seat or reach down between your knees, as this may cause the KateZ Lift and wheelchair to tip over.
- DO NOT lean over the top of the back upholstery to reach objects behind you, as this may cause the KateZ Lift and wheelchair to tip over.
- DO NOT lean over the side of the armrests to reach objects next to you, as this may cause the KateZ Lift and wheelchair to tip over.
- DO NOT shift your weight or sitting position toward direction you are reaching, as this may cause the KateZ Lift and wheelchair to tip over.
- DO NOT raise the KateZ Lift with heavy objects, like children, in your lap or with heavy objects attached to your wheelchair, like bags on the back or hanging on the handles.
- DO NOT attempt to stop a moving wheelchair with wheel locks. Wheel locks are not brakes.
- DO NOT attempt to lift the wheelchair by the KateZ Lift. This may result in injury to the user or damage to the KateZ Lift.
- DO NOT stand on the frame of the KateZ Lift.







This illustration describes the features of your KateZ Lift. Carefully review the function and location of each item described.

[Figure 4. Rear view of KateZ Lift]



## Battery

### Battery charging guidelines:

-  **WARNING!** You must recharge the 24 volt battery with the recommended battery charger. Do not use a non-authorized battery charger.
- **MANDATORY!** Read the battery charging instructions in this manual before charging the battery.
- **PROHIBITED!** Never use an extension cord to plug in your charger cord. Plug the charger cord directly into a properly wired standard electrical outlet.
- **PROHIBITED!** Removal of the grounding prong can create an electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.
- **PROHIBITED!** Do not allow unsupervised children to play near the battery charger while the battery is charging.
- **PROHIBITED!** Do not expose the battery charger to rain or other sources of moisture.
-  **WARNING!** Keep the battery and the battery charger away from sources of ignition such as flames or sparks.
-  **WARNING!** If the battery is exposed to adverse or extreme weather conditions, then it must be allowed to adjust to the difference in environmental conditions before being charged.
-  **WARNING!** Do not attempt to open the battery charger or battery. If the battery charger does not appear to be working correctly, contact your authorized dealer for a replacement battery charger.
- Charge in a location where the temperature is between 50°F and 100°F.

### Checking battery charge:

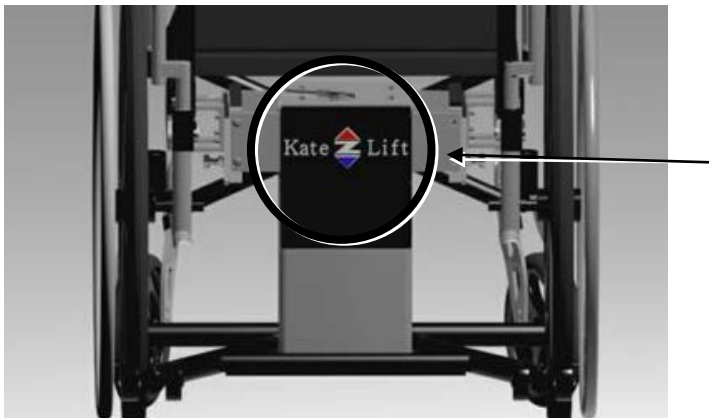
- Press and release the rear gray flat button for a LED color indication of the battery level.
  - Green means there is full charge.
  - Yellow means there is a good charge.
  - Red means the battery needs to be recharged.



[Figure 5. Hand control]

### Battery charging instructions:

1. Remove the battery by lifting the battery box (with logo) up and off the control box.



[Figure 6. Battery box]

2. Plug in the charger cord using the battery's charger port.
3. Once the battery light indicator turns green indicating the battery is fully charged, unplug the charger cord to remove the battery from the battery charger.

**Battery or battery charger replacement instructions:**




To purchase a new 24 volt battery or battery charger, contact your authorized dealer.

**Battery Recommendations**

- Replace the battery every year.
- Recharge the battery each night if the light is not green.
  - To obtain a long battery life, remove the battery pack from the charger once it is fully charged.
- Purchase a back-up battery.
- Store battery pack where the temperature is below 80°F and away from moisture.

## Operation precautions

There are certain precautions that should be taken during the operation of your KateZ Lift. Read and follow these precautions carefully in order to ensure safe KateZ Lift operation and to prevent injury and/or product damage.

- Do not place anything (for example, a drinking glass) on top of the KateZ Lift housing box.
- Periodically check the hand control and all cords for visible damage.
- Keep the KateZ Lift and its hand control away from all heated surfaces.
- Ensure the hand control is out of the way before sitting in the wheelchair.
- Do not allow children to play on or operate the KateZ Lift. Only the intended user should operate the KateZ Lift.
- Always leave the KateZ Lift in a lowered position when not in use.
- PROHIBITED! Make sure area under the KateZ Lift is clear of obstructions, including pets and small children while in operation.
-  WARNING! Do not use the KateZ Lift next to any table or object that may prevent the KateZ Lift from reaching its full height and potentially pinch or squeeze the user.
-  WARNING! Prevent the risk of electrical shock, fire, falls, and/or being pinched. Follow all instructions and precautions provided.
-  WARNING! Use the KateZ Lift only on flat, stable ground. Do not use KateZ Lift near ledges, steps or uneven ground.

## Hand control operation instructions

**Note:** The exact placement of the hand control on your wheelchair will depend on your wheelchair design and user install preference.

### To raise your wheelchair:

- Push the blue button down until the KateZ Lift reaches the desired position or maximum height.

### To lower your wheelchair:

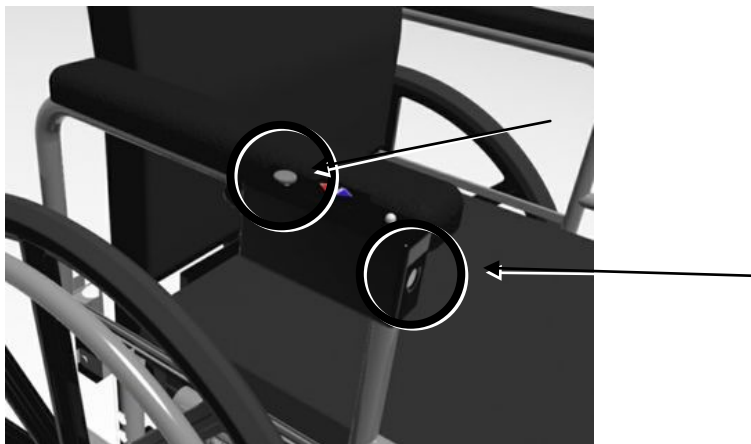
- Push the red button down until the KateZ Lift reaches the desired position or minimum height.



[Figure 7. Hand control raise and lower buttons]

### To turn on or off the high intensity LED light:

- Press and hold the rear gray flat button for one second to turn on the LED light. Repeat the press and hold for one second to turn off the LED light.



[Figure 8. Hand control LED light]

## **Tilt switch operation**

Your KateZ Lift is equipped with an internal tilt switch located inside the housing that prevents the chair from tilting more than 5°. If you are lifting the wheelchair when the tilt switch engages, you will hear a beep and the wheelchair will stop rising. If this happens,

- Push the blue button down until the KateZ Lift retracts under the wheelchair. Then move to stable ground and raise the wheelchair again.

## **Quick release operation**

**Note:** Have an assistant help with releasing and re-engaging the KateZ Lift to your wheelchair.

### **To release your KateZ Lift:**

1. Remove the wheelchair user.
2. Detach the hand control from the arm rest before releasing KateZ Lift.
3. Engage breaks.
4. Rotate the handle next the control box counter clockwise.
5. Roll the wheelchair forward and out of the way of the KateZ Lift.

### **To re-engage your KateZ Lift:**

1. Remove the wheelchair user.
2. Roll wheelchair back over the KateZ Lift until it stops over the column lift.
3. Rotate the handle next the control box clockwise.
4. Reattach the hand control to the arm rest before releasing KateZ Lift.
5. Disengage breaks.
6. Raise the wheelchair to engage KateZ Lift.

## Care and Maintenance

### General cleaning guidelines:

- The KateZ Lift can be hand washed with soap and water. However, automatic drive-through car washes should be avoided as they may interfere with and cause damage to the KateZ Lift.

### Maintenance schedule:

- Replace the battery every year.
- Check foot pads and caster wheels for wear and replace as necessary. Contact your authorized dealer for replacement pads or wheels.

### Disposal and Recycling:

- Your KateZ Lift must be disposed of according to applicable local and national statutory regulations. Contact your local waste disposal agency or authorized dealer for information on proper disposal of KateZ Lift frame, electronic components, and batteries.



## Troubleshooting

### Who do you call for service

- Contact your authorized dealer for service.

Issue	Action	Possible Solutions
Wheelchair won't rise or won't rise all the way	Lower KateZ Lift	1. Move wheelchair to level ground.  Why? Uneven ground will keep chair from rising.
		2. Reconnect battery.  Why? A battery not correctly connected will keep chair from rising.
		3. Recharge Battery.  Why? A battery with a low charge will keep chair from rising.
		4. Fully engage quick release pins.  Why? KateZ Lift will not rise if the pins are not fully engaged.
		4. Other  If none of the solutions above solves the issue, call the dealer.
Hand control switch does not function	Call your authorized dealer immediately	
Hand control light indicator is yellow or red	Recharge battery	

## Limited Warranty

EZ Life Systems ("Seller") warrants that the KateZ Lift ("Goods") will be free from defects in material and workmanship for 24 months beyond the date of sale/shipment ("Warranty"). Seller warrants its Goods only to the original buyer ("Buyer"). Additionally, in the event that Goods are manufactured based upon Buyer's designs or specifications or are not installed in accordance with Seller's instructions or guidelines, Buyer accepts the Goods "As is, with all faults."

The Warranty in this Section is in lieu of and excludes all other warranties. All other such warranties are hereby expressly disclaimed by Seller and waived by Buyer. Seller does not warrant that the goods will be suitable for Buyer's specific needs, will work in any particular environment, will perform without interruption or be error free, or will work in conjunction with Buyer's equipment.

If Buyer makes a warranty claim, written notice of claimed defect must be given to Seller within thirty (30) days from the date any such defect is first discovered, or in the exercise of reasonable care should have been discovered. In no event whatsoever may a claim be made later than thirty (30) days following the end of the 24-month warranty period. Buyer shall be deemed to have waived any claim not made within thirty (30) days from when the defect is first discovered or in the exercise of reasonable care should have been discovered. The Goods or parts claimed to be defective must be returned to the Seller, accompanied by a return form issued by your authorized dealer, with transportation prepaid by Buyer, and must include a detailed description of the defective Goods from either the original destination or the location where defect occurred, whichever is closest to Seller's facility.

Should any of the Goods fail to conform with the foregoing Warranty during the 24-month warranty period, Seller shall, at its discretion, either (a) repair or replace the Goods, or (b) provide Buyer with a credit equal to the price paid by Buyer for the Goods. THIS SHALL BE BUYER'S SOLE AND EXCLUSIVE REMEDY AND BUYER SHALL NOT BE ENTITLED TO ANY OTHER DAMAGES REGARDLESS OF THE NATURE OF BUYER'S CLAIM, BE IT IN CONTRACT, WARRANTY, TORT OR OTHERWISE. Further, the Seller's warranty on the Goods is void in the event the Goods are not properly (i) used, stored, handled, installed and maintained and (ii) de-installed, packed and shipped back to Seller by Buyer. If the Warranty return is "No fault found," the Buyer is responsible for any return form evaluation and return shipping charges. Under no circumstances shall Seller be liable for removal of Seller's Goods from Buyer's equipment or re-installation into Buyer's equipment. No person including any agent, distributor, or representative of Seller is authorized to make any additional or different representation or warranty on behalf of Seller concerning and Goods manufactured by Seller. The remedies of Buyer with respect to the Warranty are exclusive and in lieu of any and all remedies available under applicable law. This Section shall survive the expiration or termination of any agreement between the Buyer and Seller.

## Patent Pending

Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as specifically provided in this section. Any liability of Seller shall be limited as set forth in the Limited Warranty. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets as (hereinafter collectively referred to as the “Intellectual Property Rights”) subject to the limitations and conditions set forth in this section. Seller will defend at its expense and will pay the cost of any settlement or damages awarded in any action brought against Buyer based on an allegation that the Goods sold to Buyer infringes the Intellectual Property Rights of a third party. Seller’s obligation to defend and indemnify Buyer is contingent of Buyer notifying Seller with ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If Goods are subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, in its sole discretion, procure for buyer the right to continue using Goods, replace or modify Goods so as to make it non-infringing, or offer to accept return of Goods and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to Goods for which the designs are specified in whole or in part by Buyer, or infringements resulting from the modification, combination or use in a system of Goods. The foregoing provisions of this section shall constitute Seller’s sole and exclusive liability and Buyer’s sole and exclusive remedy for infringement of Intellectual Property Rights. If a claim is based on information provided by Buyer or if the design for Goods is specified in whole or in part by buyer, Buyer shall defend and indemnify Seller for all costs, expenses or judgments resulting from any claim that such Goods infringe any patent, trademark, copyright, trade dress, trade secret or any similar right.

## **EZ Life Systems**

1351 Sibley Memorial Highway  
Mendota, MN 55150

Phone: 651-207-5634

[www.ezlifsystems.com](http://www.ezlifsystems.com)