



A FREE MIND IN MOTION

**[zoom] OWNER'S
MANUAL**





Read Owner's Manual and follow all instructions and warnings to reduce risk of serious injury or death.
For assistance contact www.zoomability.com

NOTE:

Owner's Manual illustrations are for demonstration purposes only.
Illustrations may not reflect exact appearance of actual product.
Specifications subject to change without notice.





***... "The best road to progress is
freedom's road"***

/ John Fitzgerald Kennedy





TABLE OF CONTENTS

	<i>Page</i>	
1	IMPORTANT SAFETY INFORMATION	4-11
2	PRODUCT WARNING LABELS	12
3	PARTS OF THE ZOOM	13-16
4	ADJUSTMENTS ON THE ZOOM	17
5	CONTROLS AND RIDING THE ZOOM	18-20
6	ZOOM MAINTENANCE AND CARE	21-22
7	PRE-RIDE CHECKLIST	23
8	WARRANTY INFORMATION	24
9	TECHNICAL SPECIFICATIONS	25



1 IMPORTANT SAFETY INFORMATION



The Zoom is an electric, four-wheel, recumbent (seated) off-road vehicle. Although electrically powered, the experience of riding the Zoom resembles using a mountain bike. Improper use of the Zoom can cause severe injury or death. This vehicle is not designed or intended for use on public roads. The Zoom has not been designed, tested, or approved as a medical device.

Read this Owner's Manual and follow all instructions and warnings to reduce risk of an accident and to reduce the risk of serious injury or death.

BE A RESPONSIBLE OWNER

As the Zoom's owner, you are responsible for the safe operation of your vehicle. Be sure to read this manual and the labels on the vehicle before operating the Zoom. Use this manual and the labels to instruct new operators. Do not allow anyone to operate your Zoom unless you are sure that they are willing and able to follow these instructions.

Remove the key when the Zoom is parked to prevent unauthorized use.

BEFORE YOU OPERATE THE ZOOM

Be qualified

- Age 16+: The Zoom is intended for use only by an operator age 16 or older.
- Weight limit 220 lbs.: Never exceed the weight limit of 220 lbs. (100 kg) (operator and gear). Overloading the Zoom may affect handling, which could increase the risk of loss of control or an accident.
- No passengers: The Zoom is designed to carry the operator only. Never carry a passenger, including a child or pet. A passenger could be seriously injured by a sudden stop or turn.
- Operator capabilities: The operator must be able to keep their hands on the handlebars, keep their legs away from the wheels and off the ground, and keep their back against the seat back. Any person unable to fit comfortably or to maintain control should not ride the Zoom.

PREPARE YOURSELF

- Helmet: Wear an approved bicycle helmet.
- Be appropriately dressed: Dress appropriately and tie up long hair to reduce the risk of injuries, including entanglement in the wheels or steering system.
- Wear closed-toe shoes and keep shoelaces tied.
- Do not wear loose clothing.
- A long-sleeved shirt, long pants, and gloves are recommended if you're riding in rough terrain/brush.
- Avoid distractions: Do not use a cell phone when riding.
- No drugs or alcohol: Do not ride after using drugs or alcohol.



BE A RESPONSIBLE OWNER

Do not overload or inappropriately tow from the Zoom

Overloading the Zoom or improperly carrying cargo or towing may affect handling, which could increase the risk of loss of control or an accident.

- Never exceed the stated load capacity of 220 lbs. (operator and gear) for the Zoom.
- If carrying gear in baskets, never carry more than 15 lbs. on the front and 15 lbs. on the back of the Zoom (30 lbs. total).
- Never tow a trailer or use the Zoom to pull anything unless using an approved Zoom accessory to do so. Follow all safety instructions and respect the weight limit specified by the towing accessory.

PERFORM A PRE-OPERATION CHECK

Perform a pre-operation check each time you use the Zoom to make sure it is in good operating condition. Do not use the Zoom if it appears to be damaged or otherwise not fully functional. Failure to inspect or properly maintain the Zoom increases the possibility of an accident or equipment damage.

MAINTAIN PROPER TIRE PRESSURE

Keep the tires at 22 psi (see Maintenance Section for more information). Operation of the Zoom with improper tire pressure may increase the risk of severe injury or death from loss of control or rollover. Overinflated tires seriously affect handling, and overinflating may cause the tire to explode or blow the tire off the rim. Under-inflation could result in tire damage or cause the tire to dislodge from the rim.

PLAN YOUR RIDING ENVIRONMENT

Do not ride your Zoom in any areas where automobile traffic is present, and respect the property boundaries of others. Always check and obey any local laws or regulations that may affect the locations where the Zoom may be used and seek permission from local authorities if in doubt.

STAY OFF PUBLIC ROADWAYS AND SIDEWALKS

The Zoom is not designed or intended for use on public streets, roads, or highways. Use in these environments is not only illegal in most areas, but also increases the risk of an accident involving an automobile. The Zoom does not meet federal motor vehicle safety standards for on-road use, and it would be difficult for drivers to see you. It is also not intended for use on sidewalks, which may be illegal and increases the risk of collision with pedestrians.

OUTDOOR USE ONLY

Zoom is intended for outdoor use only. Use indoors could result in collisions with people, animals, walls, or objects and could damage flooring.

BE CAREFUL AROUND PEDESTRIANS AND OTHERS

Be careful to avoid pedestrians, skaters, skateboards, scooters, bikes, children, or animals who may enter your path, and respect the rights of others.



Go slowly and use extra caution around pedestrians. Do not make unexpected maneuvers. In addition:

- Always ride under control.
- Ride at a speed that is safe for you and those around you.
- Always be prepared to stop.
- Respect pedestrians by always stopping and yielding the right of way.
- Avoid startling pedestrians. When approaching from behind, announce yourself and slow down to walking speed when passing. Pass on the left whenever possible. When approaching a pedestrian from the front, stay to the right and slow down.
- When riding with pedestrians, stay at their pace. Pass only if there is ample space to do so safely. Do not weave in and out of pedestrian traffic.

DO NOT RIDE ALONE

Make sure that help is available in case you encounter a problem during your ride.

CONSIDER YOUR TERRAIN

Avoid obstacles. Watch out for potential obstacles that could catch your wheels or force you to swerve suddenly or lose control. Do not attempt jumps or stunts or intentionally hit obstacles. Avoid overly rough riding such as hitting large rocks and tree stumps or hitting obstacles at high speed—this may result in loss of control or damage.

Choose slopes carefully. Choose carefully which hills you attempt to climb or descend, and avoid side hilling (riding across slopes). Avoid hills with slippery surfaces or those where you will not be able to see far enough ahead of you. Use common sense and remember that some hills are too steep for the Zoom to climb or descend. Use proper riding techniques to avoid rearward, forward, or sideways rollovers on hills and slopes.

Never ride near drop-offs. Never use near steps, swimming pools, boat docks, or other drop-offs.

AVOID EXPOSURE TO WATER

If water reaches the electric motors inside the wheels or the batteries, they may malfunction or be permanently damaged, resulting in possible unsafe conditions. While the Zoom components are made to withstand some moisture such as rain and snow, you still must protect the wheel hub motors and battery packs from water:

- Do not ride through or expose the Zoom to standing or flowing water, mud, or wet sand deeper than approximately two inches (that is, deeper than the tire).
- Never expose the Zoom to salt water, which will corrode the vehicle and damage the motors and batteries.
- Do not clean with a pressure washer.





Wet brakes may have reduced effectiveness. If you ride through a puddle or in the rain, test your brakes. If necessary, apply the brakes several times to let friction dry out the linings.

After riding in wet conditions, make sure to remove any residual moisture to prevent water from entering the motors or batteries.

CONSIDER VISIBILITY

The Zoom is a low-profile vehicle. If you ride in hilly terrain or areas where others may be riding, consider mounting a flag to increase the Zoom's visibility.

Do not ride when your visibility is limited. If you intend to ride in the dark, install battery-powered lights on your Zoom so that you can see and be seen.

GET TO KNOW THE ZOOM

This off-road vehicle will handle and maneuver differently from cars, ATVs, go-carts, golf carts, wheelchairs, or recumbent bicycles. Start slowly and practice in a safe, open area while you get comfortable with the Zoom's controls and handling.

Avoid unintended vehicle movement: Keep Zoom in "OFF" position except when riding. Make sure the Zoom is turned OFF, with key removed and parking brake engaged, before getting on or off the vehicle. Keep the Zoom turned OFF any time you are not actively riding. If you or a bystander unintentionally apply throttle—for example, when getting on or off of a Zoom that is turned ON—the vehicle will move. This can result in a collision or other accident.

To avoid accidental throttle application:

- Before getting on or off the Zoom, engage the parking brake and make sure the key is removed.
- Any time you stop and take your hands off the handlebars, turn the key to the OFF position.
- Keep the Zoom turned OFF and the key removed when loading on a trailer or transport vehicle, or in similar situations, and when the Zoom is parked or otherwise unattended. This will also help to prevent unauthorized use.

STAY IN PROPER POSITION

To reduce the risk of serious injury or death:

- Hold the handlebars at all times.
- Keep your fingers and other body parts away from the wheels, steering system, and all other moving components.
- Keep your legs away from the wheels and off the ground when riding.
- If you think or feel the Zoom may tip or roll, reduce your risk of injury:
 - o Keep a firm grip on the handlebars, pull your elbows in, and brace yourself.
 - o Do not put your arms or legs out for any reason.
 - o Do not try to stop a vehicle tip over using your limbs.



LEARN TO CONTROL THE ZOOM SAFELY

Applying throttle

When seated in the Zoom, turn the throttle slowly. When the Zoom starts to move, keep a controlled, slow speed and practice your ability to creep along slowly. Practice this on both flat and uneven surfaces.

Ride at slow speeds with gradual acceleration and turning. Practice smooth throttle application. Practice slowing down before turning. Practice maintaining a steady throttle through the turn.

Avoid hard acceleration when turning, even from a stop.

Slowing and stopping

Improper use of the brakes can cause the tires to lose traction, reducing control of the Zoom and increasing the possibility of an accident.

To slow or stop, release the throttle and then smoothly apply the brakes. The left handle is for the rear brakes, and the right handle is for the front brakes. Sudden or excessive application of the front brake can cause the Zoom to tip forward, especially when going downhill.

Use the brakes to slow or stop; releasing the throttle will not slow the Zoom rapidly. Never try to slow or stop the Zoom by putting your feet on the ground.

Practice controlled stopping in various riding environments. Braking ability is affected by type of terrain. In most cases, gradual application of the brakes is more effective than abrupt braking, particularly on loose surfaces such as gravel. Always allow for greater braking distance on rough, loose, or slippery surfaces.

If the brake function is unsatisfactory, stop riding and have the brakes inspected by an authorized motorcycle repair shop.

Turning

Steer by turning the handlebars. Notice that the left front wheel is a little forward of the right front wheel. This helps the Zoom crawl over uneven terrain. This also means that it handles differently when turning left and right. Practice and get used to turning left and right at low speeds.

Slow down before entering a turn. Turning the handlebars too far or too fast can result in loss of control or a rollover. When making tight turns from a standstill or at slow speeds, avoid sudden or hard acceleration. Riding aggressively or making abrupt maneuvers even on flat, open areas can cause rollovers. Avoid sideways sliding, skidding, or fishtailing, and never do donuts.

Operating in reverse

Use extra care when operating in reverse. Only make turns at very low speeds.





Operating on hills

Braking and handling are affected when operating on hilly terrain. Improper operation could cause loss of control or rollover. Avoid excessive speed when riding downhill.

Ride straight up and down inclines, not across them. If crossing a hill is unavoidable, ride slowly. Turn downhill immediately if you feel the Zoom may tip.

To climb a hill, you need traction, momentum, and steady throttle. If you start to lose traction or momentum when climbing, and you decide you will be unable to continue, use the brakes to stop. Roll backward downhill in a controlled manner, using the front (uphill) brake to control speed. Never apply the rear brake when rolling backward downhill.

When going straight downhill, control speed primarily using the rear (uphill) brakes. Applying the front brake (right handle) too hard or too fast could cause the Zoom to tip forward. Hard application of the brakes could also cause the Zoom to slide on flat surfaces.

Ride defensively

To reduce the risk of loss of control and rollovers, use proper riding techniques and ride defensively. Look ahead and plan for slopes, rough terrain, ruts, loose or slippery surfaces, and other changes in terrain or traction. Never operate at speeds too high for your skills or conditions.

Do not tow the Zoom

Do not tow the Zoom with another vehicle unless necessary to free a Zoom that has gotten stuck. Do not sit in the Zoom while it is in a moving vehicle. Zoom is not designed or intended for use as a seat in private or public transportation vehicles. The Department of Transportation has not approved any tie-down system for transportation of a user while in a Zoom in a moving vehicle of any type. Transfer into appropriate seating for the transportation vehicle.

Clean and maintain your Zoom properly

Protect the hub motors and batteries from water. If water reaches the electric motors inside the wheels or the batteries, they may malfunction or be permanently damaged, resulting in possible unsafe conditions. Clean the Zoom according to the instructions in the Maintenance Section. Keep running water away from the wheel centers and batteries. Do not use a pressure washer. Do not use compressed air on the wheels as this may force moisture into the integrated electric motors and batteries.

Maintain your Zoom as instructed in the Maintenance Section. Consult an authorized motorcycle repair shop for any repairs or maintenance not specifically described in this manual. Improper adjustment or service may result in an accident or in damage to the Zoom.

Only use batteries supplied by Zoomability. Contact Zoomability to order spare parts or batteries, or for advice.





Do not modify the Zoom

Do not modify parts of the Zoom such as frame, steering, brakes, or motors. Installing aftermarket products other than those approved by Zoomability or having other modifications performed to your Zoom can impair vehicle durability and safety and can put you and others at greater risk of serious injury or death. You are responsible for injuries related to modifications made of the Zoom.

Charge Safely

The chargers supplied for the Zoom should be regularly examined for damage to the cord, plug, enclosure, and other parts, and in the event of such damage, the Zoom must not be charged until the chargers have been repaired or replaced. Use only with the recommended chargers.

Follow charging instructions in separate section of manual. Turn off and remove Zoom key while charging. Do not operate chargers near flammable materials. Unplug each charger and disconnect from the Zoom when not in use. Always disconnect from each charger prior to wiping down and cleaning the Zoom.



2 PRODUCT WARNING LABELS

⚠ WARNING

Improper Use of the Zoom Can Cause Severe Injury or Death

Be Qualified and Prepared

- Before you ride, get training from an experienced user.
- The Zoom is intended for use only by an operator age 16 or older.
- The operator must be able to keep their:
 - hands on the handlebars
 - legs away from the wheels and off the ground
 - back against the seat back
- Wear an approved bicycle helmet.
- Never use with drugs or alcohol.
- Never carry a passenger or child. A passenger could be seriously injured by a sudden stop or turn.
- Do not operate on public roads – collisions with cars and trucks can occur.



Operate Responsibly

- Go slowly and use extra caution around pedestrians. Do not make unexpected maneuvers.

Avoid loss of control and rollovers:

- Avoid abrupt maneuvers, sideways sliding, skidding, or fishtailing, and never do donuts.
- Slow down before entering a turn.
- Avoid hard acceleration when turning, even from a stop.
- Plan for slopes, rough terrain, ruts, and other changes in traction and terrain.
- Avoid side hilling (riding across slopes).
- When going downhill, never apply front brakes too hard or too fast.
- Never operate at speeds too high for your skills or conditions.



Rollovers can occur even on flat, open areas.

Pay Attention and Plan Ahead

If you think or feel the Zoom may tip or roll, reduce your risk of injury:

- Keep a firm grip on the handlebars, pull your elbows in, and brace yourself.
- Do not put your arms or legs out for any reason.

Read Owner's Manual

⚠ WARNING

Avoid unintended throttle application.

Any time you stop and take your hands off the handlebars, turn the key to the OFF position.

Engage the parking brake before dismounting or mounting.

⚠ WARNING

Improper tire pressure or overloading can cause loss of control, which may result in severe injury or death.

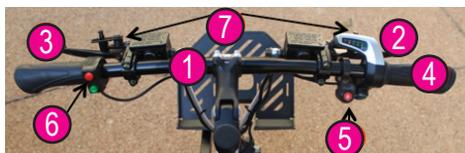
- Cold tire pressure:
 - Front: 22 psi (150 kPa)
 - Rear: 22 psi (150 kPa)
- Maximum weight capacity: 220 lb. (100 kg)

SB 1918 (CALIFORNIA) DECLARATION

YOUR INSURANCE POLICIES MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS ELECTRIC FOUR WHEELER PRODUCT. TO DETERMINE IF COVERAGE IS PROVIDED, YOU SHOULD CONTACT YOUR INSURANCE COMPANY OR AGENT.

3 PARTS OF THE ZOOM

- 1 Handle bars
- 2 Front brake handle
- 3 Rear brake handle
- 4 Twist throttle with ignition key and battery indicator
- 5 Forward/revers button
- 6 Cruise control
- 7 Parking brake
- 8 Foldable steering column with latching pin - height adjustable
- 9 Seat - adjustable in three positions
- 10 Batteries
- 11 Wheels with built in electric motor and disc brakes
- 12 Frame
- 13 Foot plate - adjustable in three positions. Folds up for transportation



Charging and Battery Care

Zoom comes with two 48V Lithium Ion Polymer [Li-Io-Po] batteries. Two chargers are included for simultaneous charging of both batteries.

Charging is performed with the included chargers that plug into the top part of the batteries by the handle.



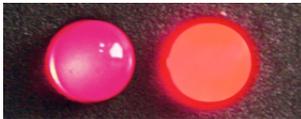
- 1 Ensure Zoom is turned off when charging the batteries. Turn off the ignition key.
- 2 Ensure the input voltage selector on the chargers is correctly set for the outlet you are using. U.S. outlets are typically 110 VAC. Keep the power switch on each charger in "off" position until connected to the Zoom battery.
- 3 Plug in charger battery cable into the battery. The connector is positioned at the top of the battery by the handle. Lift up the battery handle to expose the battery connector.
- 4 Plug the chargers into a wall outlet and turn on each charger power switch.
- 5 Charging is complete when the green LED on each charger lights up. Charging time is up to 5 hours for a full charge.
- 6 If the indicator lights on the chargers do not light up. Verify that the power outlet is functional. Consult a qualified electrician if needed.



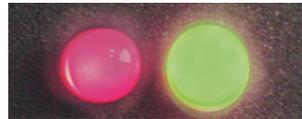
Battery life is optimized by regular use and charging. Attempt to drain the batteries by at least 50% (estimated 1 hour riding time) before recharging. The batteries will not be damaged if charged only partially. The batteries are designed to withstand at least 800 charging cycles. Red and Red - charging



Battery charger LEDs



Red and Red - charging



Red and Green - charging completed

Under optimal riding conditions on flat smooth surfaces the batteries will last up to 25 miles of riding. For demanding riding in terrain you should not expect a range above of 12-19 miles. Plan your riding accordingly. The batteries provide full power until they become exhausted and performance will drop relatively quickly.

Note! Make sure both batteries are charged evenly. If you ride with one battery half full and the other full, you may obtain unwanted power surges between the batteries, which can cause serious damage to the batteries. If you accidentally ride with just one battery connected, the battery overload protection may switch off the power during sharp acceleration or riding uphill. If this happens, ride home at a leisurely pace and charge both batteries fully. Check that the battery connectors are fully inserted into the terminal at the bottom of the batteries.

Rechargeable batteries are only to be charged under adult supervision. Disconnect the Zoom from the chargers before cleaning.

Chargers have built in overcharge protection to protect from overcharging. Chargers will get warm during use. This is normal for some chargers and is no cause for concern. If the chargers do not get warm during use, it does not mean that they are not working properly.



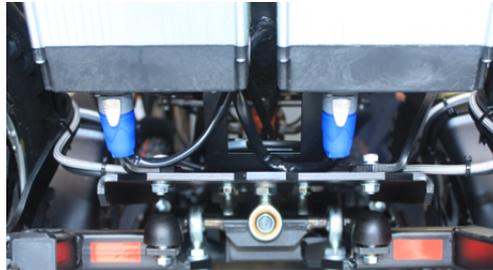
REMOVING THE BATTERIES

If you need to remove the batteries for maintenance or transportation, follow these instructions:

- 1 Locate the battery lock keys that were delivered with the Zoom. The keys are individual for each battery. Insert the key in the right side battery and unlock (counter clockwise). The locking peg visible between the seat and the battery holding plate will retract from the hole in the holding plate.
- 2 Slide up the battery 2-4 inches along the plate to provide space for the blue battery connector to be disconnected from the battery. The connector plug has a pull-and-turn locking mechanism.
- 3 With the battery cable separated from the battery you can completely remove the battery by pulling it upwards until it separates from the holding plate.
- 4 With the left battery lock exposed, repeat the procedure to remove the second battery.
- 5 To mount the batteries back on the Zoom repeat the procedure in reverse order i.e. mount the left side battery and lock and continue with the right side battery.



Battery lock

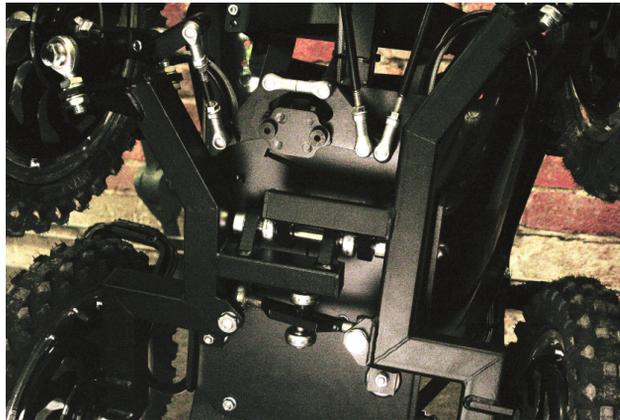


Battery connectors mounted in batteries

FRAME

The frame is designed to handle off-road terrain. The patented bogey design that links the wheels optimizes comfort while avoiding a complicated suspension system.

Although the frame is robust, it is possible for an overly aggressive rider to damage the Zoom. Do not modify or change the frame components as this may impair durability and safety.



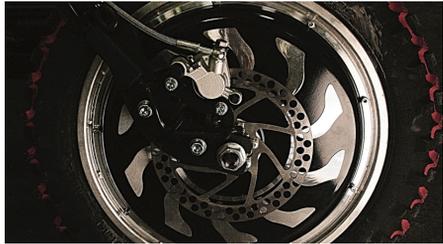
Frame



MOTORS AND WHEELS

The Zoom has four integrated electric hub motors. The wheels are tilted for optimal stability and balance. The asymmetrical wheel placement improves off-road performance by making the Zoom crawl over obstacles one wheel at a time.

Note: Do not submerge the wheels in water extending above the tire or approximately 2 inches from the ground as water can penetrate the electric motors from the center of the wheel. The motors are only made to withstand moisture such as rain and snow. Never expose the Zoom to salt water. After riding in wet conditions, remove any residual moisture to prevent water from entering the motors or batteries.



Hub motor



4 ADJUSTMENTS ON THE ZOOM

SEAT

The seat can be adjusted to rider preference. Pre-drilled holes are available for adjustments.



Pre-drilled holes

FOOT REST

The foot rest is for safety and comfort. Always maintain feet on the foot rest when riding. The foot rest can be adjusted to rider height by mounting it in the desired position using the pre-drilled adjustment holes.

The foot rest also acts as a deformation zone if the Zoom is accidentally run into an object. This may likely damage the foot rest. If the damage is serious order a replacement part from Zoomability.

For transport the foot rest can be folded upwards towards the steering column in order to reduce the overall length. This is done by loosening the screws that secure the foot rest to the frame. Secure the foot rest to the steering column using a bungee cord and put soft material between the foot rest and the steering column to avoid scratching. Hold the top of the foot rest when replacing it in riding position to avoid that it drops to the ground. Make sure the screws are tightly secured.

Warning! Avoid pinching your fingers between the foot rest and the frame when replacing the foot rest to riding position.



Foot rest



Foot rest folded upwards

5 CONTROLS AND RIDING THE ZOOM

IGNITION KEY

The Zoom is powered on and off with the ignition key located on the right side handle bar. The LED lights on the battery indicator are lit up when the ignition is "ON".

Warning! Turn off the ignition key before entering or exiting the Zoom or when not riding. Never leave the Zoom unattended with the ignition key in the lock.

POWER THROTTLE

Speed is controlled with the twist throttle located on the right handle bar. Turn the handle to increase power to the vehicle. Different from a gasoline powered vehicle, the electric torque is linear through the entire speed range.

The first step in riding the Zoom is to practice proper power control at low speeds. When seated, turn the throttle slowly and only a fraction. When the Zoom starts to move try to keep a controlled slow speed and practice your ability to creep along slowly. Practice this on flat and uneven surfaces. It is recommended to apply the throttle as evenly as possible. Continuous and abrupt variations will make the ride jerky and will drain the batteries quicker.



Ignition key



Power Throttle, Battery Indicator, Reverse Button

BATTERY INDICATOR

The battery indicator is positioned on the power throttle handle. The performance characteristic of the batteries is such that the batteries deplete quite quickly once the green LED turns off when cruising along on a flat surface. When going up steep hills the power indicator may dip down in the yellow and red area even if the batteries have plenty of charge. Return home and recharge the batteries when the first green LED no longer illuminates when cruising on a flat surface with even throttle application.

REVERSE/FORWARD BUTTON

Prior to reversing, come to a full stop. Then press the red square button located on the throttle handle. The button stays in an inward (depressed) position, and by turning the power throttle Zoom will go backwards. To go forward again, come to a complete stop, press the red round

button again and it will toggle to its outer position. Apply the power throttle and Zoom will move forward again.

Note: Toggling the button before applying throttle is a good procedure to adopt to ensure you have the button in the desired position.

Warning! The Zoom will go as fast in reverse as forward. Use caution and reverse only at a very low speed.

LIGHTS

The Zoom is not delivered with front and rear lights. It is recommended that a battery powered bicycle light is mounted according to your preference and local safety standards. Do not ride in the dark without proper lights and reflectors mounted on the Zoom.

STEERING AND HANDLE BAR

The Zoom is controlled with handle bars. The turning radius is slightly different between left and right direction due to the slightly asymmetrical wheel configuration. Practice and get used to the turning capabilities at low speeds.

The handle bar height is adjustable, within the marked limits, to the rider's height. The handle bars can also be lowered to reduce transportation height.

For easier access when entering and exiting the Zoom, tip forward the handle bars by releasing the spring loaded latching pin on the vertical handle bar rod. Before riding ensure the latching pin is locked and firmly securing the column.



Handle bar latching pin

BRAKE SYSTEM

The Zoom does not have an engine break and will roll freely even if the throttle is not applied. Reducing speed or stopping is only done by applying the brakes. The Zoom is equipped with hydraulic disc brakes on all four wheels. There are two brake handles on the handle bar. The left handle is for the rear wheels and the right handle is for the front wheels. Completely pull back on the throttle when applying the brakes.



Brake handle



The brake handles have micro switches that cut the power to the motors when braking. A slight click sound will be heard when applying the brake levers about 1/3 inches.

Note: When both break handles are pulled back hard in high speed the Zoom may slide somewhat to the right due to the off-set wheel base.

Warning! If the brake function is unsatisfactory, immediately discontinue riding and have the brakes checked and repaired if necessary.

Warning! Do not touch the brakes discs on the wheels when in use or immediately after riding as they can become very hot.

PARKING BRAKE

The brake handles are equipped with a parking brake mechanism to be engaged at all times the Zoom is parked, being transported or left unattended.



- 1 To engage the parking brake, press in the brake handle and push down the top part of parking brake mechanism until it click into place and keeps the brake handle in breaking position. Left and middle picture.
- 2 To disengage the parking brake, press in the brake and pull back on the spring loaded locking plate on the brake mechanism. This allowing the top part to pop up and disengage from the brake handle.

CRUISE CONTROL

The round red button by the left handle bar is the cruise control switch. Use it to maintain an even speed anytime you want to ride along at an even pace.

To activate the cruise control, press the round red button when you wish to keep a desired speed. When activated, the Zoom will maintain the speed even if the throttle is turned off. Turn off the cruise control by pressing the round red button again. Applying the brakes will also turn off the cruise control.



Cruise control button

Note: The green button below the cruise control button does not have a function.



6 ZOOM MAINTENANCE AND CARE

The Zoom is characterized by its robust and relatively simple design. All parts are replaceable. The Zoom has no parts that require lubrication. In order to keep the Zoom in good condition, please follow the below recommendations.



RIDING STYLE

Enjoy your Zoom to the fullest but remember it is not an indestructible machine. Overly rough riding such as hitting large rocks and tree stumps, or other extreme handling, may cause damage and as result require significant repairs and maintenance.

CLEANING

Clean gently with a moist brush or sponge. Keep running water away from the wheel centers and batteries. Do not use a pressure washer. Do not use compressed air on the wheels as this may force residual water into the integrated electric motors and batteries.

STORAGE

Store the Zoom indoor at room temperature when not in use. Keep clean and dry.

TRANSPORTING

Transport the Zoom using suitable vehicles and trailers. Always ensure the Zoom is firmly secured with proper tie downs or ratchet straps. Use a tarp or similar cover to protect the Zoom from rain and dust transporting on an open trailer or truck.

Warning! Do not hold on to the brake discs when lifting the Zoom. You can cut your fingers if the wheels rotate.

Note: Hold on to the wheel forks or wheel nuts when lifting the Zoom. Use gloves.

BATTERIES

The batteries are designed to maintain performance for >800 charges. Only use replacement batteries supplied by Zoomability.

BRAKES

Replace brake pads if they are worn down or damaged. Damaged brake discs must be replaced before riding. If the brake system has leaked brake fluid, locate and repair the leak. Refill the system with DOT 3 or 4 brake fluid and bleed the brake system until all air bubbles are removed.



TIRES

The tires mounted on the Zoom are designed to provide good all-round performance. Worn down tires should be replaced for optimal grip. The tires have inner tubes that must be replaced or repaired in the event of a flat. Recommended tire pressure: 22 psi.

To repair a flat tire, the entire wheel must be completely removed for repair. Only perform a repair on your own if you are experienced in similar tasks or else seek help from a motorcycle or bicycle repair shop.

- 1 Ensure the Zoom ignition key is turned off.
- 2 The wheel is removed by first cutting off the plastic locking straps holding the cables and mud guards. Disconnect the cables by pulling apart the electric connectors on the top side of the fork.
- 3 Loosen the lug nuts on each side of the wheel using a 21 mm socket wrench. Remove the wheel. Never engage the disc brakes when the wheel is off as the space needed for the brake disc is needed when mounting the wheel back in position.
- 4 Empty any remaining air in the tire. Pry off the one side of the tire using motorcycle size tire spoons.
- 5 Pull out the inner tube and repair the leak using an inner tube patch kit or replace with a new tube.
- 6 Install the repaired/new inner tube inside the tire and pry back the tire on the rim. Be careful not to damage the inner tube in the process.
- 7 Put the wheel back in position on the fork and ensure the brake disc is in between the brake pads. Tighten the wheel nuts firmly while ensuring a straight wheel alignment.
- 8 Reconnect the electrical cables and carefully strap in position the cables and mud guards with new locking straps.

TOOLS

All bolts, nuts and screws on the Zoom require metric size tools.

SPARE PARTS AND SUPPORT

Contact Zoomability to order spare parts, batteries, or for advice on the use of the product



7 PRE-RIDE CHECKLIST

- 1 Frame and steering- Check for cracks, broken bolts and joints and ensure bolts and nuts are tight. There should be no unusual rattles or sounds from the Zoom.
- 2 Brakes - Check the brakes for proper function.
- 3 Tires - Inspect for excessive wear and check the tire pressure.
- 4 Ensure the batteries are charged.
- 5 Safety Gear – Wear an approved bicycle helmet. Keep long hair tied up and wear appropriate clothing to avoid getting tangled in the wheels and objects in your way.



ENJOY YOUR ZOOM AND THE PLACES IT WILL TAKE YOU!

**A FREE
MIND
IN
MOTION**

8 WARRANTY INFORMATION

Zoom Limited Warranty: The manufacturer warrants this product to be free of manufacturing defects for a limited time from date of purchase. Check your sales contract for warranty information.

The Limited Warranty does not cover any defects or malfunction as a result from normal wear and tear including tires, inner tubes, cables, brake parts or any damage, repairs or malfunction or loss caused by the use or storage of Zoom.

The Limited Warranty will be void if the product is ever:

- used in a manner other than for recreation;
- modified in any way;
- rented.

The manufacturer is not liable for incidental or consequential loss or damage due directly or indirectly to the use of this product. Zoomability does not offer an extended warranty.

For your records, save your original sales contract or receipt with this manual and record the serial number below.

Serial Number: _____

Contact

Zoomability AB E-mail: info@zoomability.com

Intl. tel: +46-21-415300

Web: www.zoomability.com

9 TECHNICAL SPECIFICATIONS

Maximum speed: 12 mph

Acceleration: 0-12 mph in approximately 1 second

Tilt up tipping angle approximately >25 degrees. **WARNING:** Tipping angle may differ depending on rider body weight and body composition. Use extreme caution when riding on leaning surfaces and over obstacles.

Sideways tipping angel approximately > 20 degrees. **WARNING:** Tipping angle may differ depending on rider body weight and body composition. Use extreme caution when riding on leaning surfaces and over obstacles.

Torque: 4 x 29 Nm

Power: 2.4 Kw

Range: Theoretical maximum is 25 miles on one charge and on smooth surfaces. Off road range is approximately 10-15 miles. Range will vary depending on rider weight, throttle use and terrain.

Weight (without rider): 165 lbs.

Rider max weight: 220 lbs.

Height: 30 inches

Length: 53 inches

Width: 29 inches

Ground clearance: 7 inches

Rider adjustments: Telescopic handle bar, adjustable foot plate and seat positions

Brakes: Hydraulic disc brakes on all four wheels. Use DOT 4 brake fluid

Batteries: 2 x detachable LiFePO4 48 V/10 Ah rechargeable batteries

Number of charging cycles per battery: >800

Battery Charge time: 5 hours

Tire dimension: 2.50-12

Recommended tire pressure: 22 psi / 150 kPA

Optional: Mud guards, rubber booster seat, swivel seat for easier rider entry/exit, hunting and fishing version.

For spare parts and accessories contact www.zoomability.com



***... "I took the one
less traveled by,
And that has made all the
difference"***

*/ Robert Frost
The Road Not Taken*







[zoom]ability



Zoomability AB
Glödgarvärd 3
721 30 Västerås Sweden
+46 21 415300
www.zoomability.com
info@zoomability.com