



ZBOARD

Owner's Manual

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1. START UP CHECKLIST

You can view an instructional video explaining these steps at myzboard.com

_____ **1.1. OPEN THE BOX AND CHECK CONTENTS.** Verify that all the listed contents are present. If anything is missing or damaged, contact ownership@myzboard.com before proceeding.

- | | |
|---|--------------------|
| (1) ZBoard Weight-Sensing Electric Skateboard | (1) 1/8" Hex Key |
| (1) Battery Charger | (1) 5/32" Hex Key |
| (1) Owner's Manual | (1) 3mm Hex Key |
| (1) Release of Liability / Registration Form* | (1) 5mm Hex Key |
| (1) Replacement Drive Belt | (1) ZBoard Sticker |

*To register your ZBoard, fill this out and email to registration@myzboard.com

_____ **1.2. CHARGE THE BATTERY.** For best performance and maximum battery life, make sure to fully charge your ZBoard before your first ride. First, check that your ZBoard is powered "off". Unwrap the charger, plug it into any standard 110V¹ outlet, then insert the 3-pin XLR connector into the mating charge socket in the side of the battery box. The red LED should light up on the charger. Once this LED has turned green, your battery is fully charged and ready for its first ride.

¹220V users may require an adapter to connect to an available power source. Read the charger specifications to verify it will work with available voltage before plugging in or attempting to charge.

_____ **1.3. FILL OUT AND RETURN THE RELEASE OF LIABILITY INCLUDED IN YOUR CARTON.** This will act as your product registration, and activate your warranty. Regular wear and tear is not covered by your warranty. Water and debris damage, and/or improper use or care of your ZBoard and accessories may void your warranty. We reserve the right to refuse warranty parts and service in accordance with local, state, and federal law.

1.4. REVIEW THE FIRST RIDE CHECKLIST:

- Are you wearing all necessary safety gear, including—but not limited to—a helmet, elbow pads, and knee pads? (See Section 4: Safety Warnings for details on safety guidelines and precautions)
- Are you over the age of 18? (See Section 4: Safety Warnings for details on age, weight, and other restrictions)
- Are you in a smooth, flat, open environment free of vehicle and pedestrian traffic, where electric skateboarding is allowed?
- Have you read Section 2: Specifications and Components?
- Have you read Section 3: Riding Instructions?
- Have you read Section 4: Safety Warnings?

Remember to start slow and work your way up as you familiarize yourself with the ZBoard’s performance and riding characteristics. **HAVE FUN AND BE SAFE!**

We highly recommend you keep the box your ZBoard arrives in. This box and the included custom internal cardboard blocks are ideal if you ever want to ship your ZBoard or check it as baggage on an airplane.

2. ZBOARD SPECIFICATIONS

	ZBoard Classic	ZBoard Pro	ZBoard SF Special
Top Speed*	15 MPH	17 MPH	18 MPH
Range (max)*	5 Miles	10 Miles	20 Miles
Charge Time	~5 Hours	~5-7 Hours	~5-7 Hours
Motor	400W Electric	400W Electric	400W Electric
Battery	Sealed Lead Acid (SLA)	Lithium Iron Phosphate (LiFePo4)	Lithium Iron Phosphate (LiFePo4)
Weight	33 LBS	26 LBS	32 LBS
	*Top Speed and Range are dependent on rider weight, riding style, terrain, and other factors.		



3. RIDING INSTRUCTIONS

There are four main skills required to effectively ride the ZBoard: coasting, accelerating, braking and turning. This section will discuss each skill in detail.

Practice in a safe, flat area free of obstacles and pedestrian and vehicle traffic.

3.1. THE COAST STANCE

Make sure the power is off (the blue light on the On/Off Switch should not be visible). Step on to the ZBoard with the “Coast” stance, seen in **Figure A**.

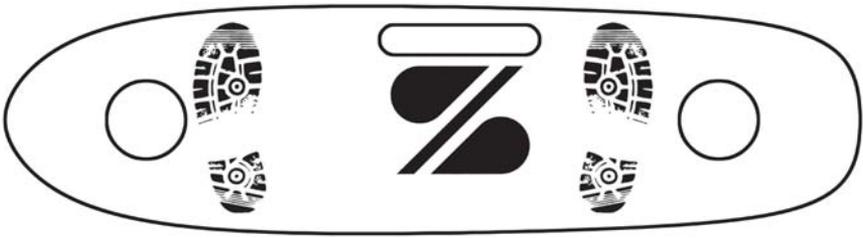


Figure A: Diagram of someone standing on the board correctly in the “Coast” stance

In the “Coast” stance the rider is neither accelerating nor braking, but rather stationary or slowing down gradually due to the natural resistance of the motor and bearings. When coasting downhill, it is best to ride in the “Braking” stance described in Section 3.3, to maintain optimal control of speed.

The correct “Coast” stance is to orient one’s feet perpendicular to the direction the board is pointing, with toes flared out slightly.

Get comfortable with the flexibility of the trucks by carefully leaning towards your toes, and then your heels, bending your knees slightly for balance. Do not yet turn on the board.

If you unfamiliar with board sports, see Section 3.6 for which foot to put forward, along with other riding techniques.

3.2. THE ACCELERATION STANCE

With the board still in the “off” position and standing on the ZBoard in the “Coast” position, flare out your front foot so the ball of your front foot rests on the center of the front footpad. You should be able to reach this point with your foot at approximately a 45* angle. If you are unable to reach the center of the footpad, adjust your stance forward and wider. See **Figures B and C** to see correct and incorrect acceleration stances. Avoid rotating your front foot much more than 45* from perpendicular to the board, as pointing your toe too far forward will make turning difficult and the ride more uncomfortable.



Figure B: The correct “Acceleration” stance.

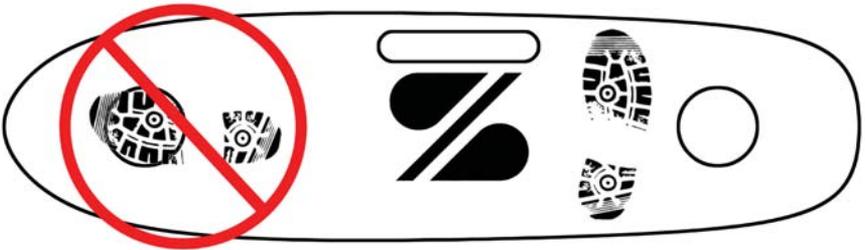


Figure C: An incorrect “Acceleration” stance. If your front foot is pointed like this, turning the ZBoard will be difficult and the ride may become uncomfortable.

3.3. THE BRAKING STANCE

With the board still in the “off” position, return to the “Coast” stance and practice moving your back foot onto the rear footpad. There are two ways to make this transition:

- 1) Flare out your rear foot so the ball of your foot rests on the center of the rear footpad, in a mirror image to the “Acceleration” stance as shown in **Figure D** below, or
- 2) If flaring your foot requires a wider stance than is comfortable, you may prefer to make a slight slide/step with your rear foot to move the ball of your rear foot onto the center of the rear footpad. Both footpads are intentionally raised above the top surface of the board so that they can be easily located without requiring the rider to look down. It is recommended that you practice this maneuver until it comes naturally before turning your ZBoard “on”.

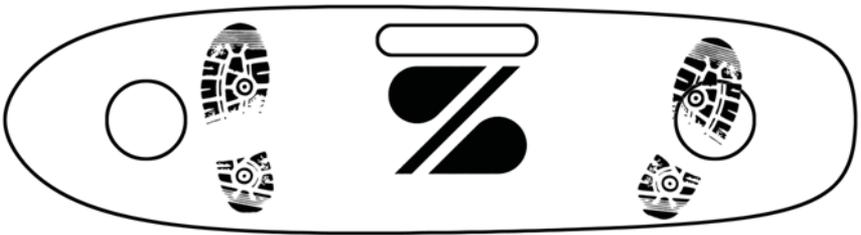


Figure D: The correct “Braking” stance. Make sure you are able to reach this position naturally and without looking down before ZBoarding at high speeds.

3.4. TURNING

With the board still in the “off” position, get into the “Coast” Stance and practice shifting your weight towards your toes and heels, tilting the deck each way. The more you are able to tilt the deck, the sharper you will be able to turn. The ZBoard’s trucks are designed to provide the best combination of stability at speed and turning performance. To achieve maximum turning ability², you may need to shift the placement of your feet toward the edge of the deck. For more tips on turning, see the notes below in Section 3.6.

²The ZBoard is capable of a minimum turning radius of 6 feet.

3.5. YOUR FIRST RIDE

Once you are comfortable with the “Coast”, “Acceleration”, and “Braking” stances detailed above, you are ready for your first ride! Step off the board and turn the switch to the “on” position. An LED will light up on the switch to let you know that it has powered up.

Step onto the board in the “Coast” stance. When comfortable and balanced, flare your front foot out to the “Acceleration” stance. Press on the front footpad carefully, slowly applying pressure until the board begins to move. The more pressure you apply to the footpad, the faster the ZBoard will go. ***The footpad is most sensitive in the center.***

It is important to do this smoothly, as sudden addition of weight will cause the ZBoard to accelerate more aggressively and make balancing more difficult. Once moving slowly, apply additional pressure in gradual increments to increase speed and reduce or remove pressure to coast to a slower desired speed.

Next, try the braking stance. While your ZBoard will coast to a stop, occasionally you’ll want to use the brake to stop rapidly or modulate pressure to control speed while descending a hill. Practice shifting your weight onto the brake and braking with different pressures from different speeds. The ZBoard has regenerative braking to recover some energy from motion, improving the experience for yourself and your environment.

The ZBoard’s footpads are designed to rise out of the deck so you can feel them with your feet. Make sure you are able to master all of the above skills without looking down at your ZBoard.

3.6. RIDING NOTES

Regular / Goofy: If you're unfamiliar with board sports, try the above steps (with the board off) standing on the ZBoard with your left foot closest to the front nose of the board ("regular"), then again in mirror image with your right foot forward ("goofy"), to find which stance is most comfortable. For reference, the motor is mounted to the rear of the board. Whichever you prefer, the ZBoard is designed to work equally for both stances. .

Turning: When starting out, we recommend you shift back to the Coast stance when you are attempting to turn. As you get more comfortable, you can begin turning while in the acceleration stance by *using your back foot to tilt the board*. For best results, adjust your rear foot placement in favor of the edge of the board you are turning towards.

One Footpad at a Time: Input from the rear footpad will override input from the front footpad. This is a safety feature. For the best experience, do not put your feet on both footpads at the same time.

Riding Down Hills: We recommend that you lower your speed before a decline and position yourself on the brake. Modulate pressure on the brake to maintain a safe speed.

Riding Up Hills: Entering inclines with some speed will improve the ZBoard's performance up hills and put less load on its electronics. If you find that your wheels begin losing traction, the hill is too steep. For the safety of yourself and your board, please find another route or carry your ZBoard until the incline becomes less steep. Riding up hills reduces battery life and puts additional stress on your speed controller, belt, drive wheel, and other components, and should be avoided when possible.

Tacking: "Tacking" is the application of weight onto the kicktail of the deck behind the rear axle, lifting the front wheels off the ground, and rotating weight to turn the board in place. If you know how to "tack" the board around, please do so carefully. Avoid slamming the board back down on the ground as this may cause components to come loose or be damaged.

PRACTICE MAKES PERFECT. START SLOW, BE SAFE, AND HAVE FUN!

4. SAFETY WARNINGS

The ZBoard Electric Skateboard is not a toy! Wear a helmet and protective gear at all times. Skateboarding, like many sports, is inherently dangerous and includes risks, including the possibility for injury and even death, for both the rider and observers.

As a rider you are responsible for

- Acting within the limits of your ability and the purpose and design of equipment used
- Maintaining control of yourself and the equipment you use
- Refraining from acting in any manner which may cause or contribute to the injury or death of yourself or others

Any person who participates in or assists in skateboarding assumes the known and unknown inherent risks in skateboarding and electric skateboarding activities and is legally responsible for all damages, injury, or death to him or herself or other persons or damages to property, which result from these activities. To reduce the chances of these known risks please follow the Riding Safety Warnings below. If you do not understand any parts of these safety warnings, please contact us at ownership@myzboard.com for clarification.

RIDING SAFETY WARNINGS:

4.1. WEAR A HELMET AND PROTECTIVE SKATEBOARD RIDING GEAR AT ALL TIMES. This includes elbow pads, kneepads, protective eyewear, and long pants and long sleeves that entirely cover arms and legs.

4.2. CAUTION! IT MAY BE HOT. The ZBoard dissipates a large amount of heat from the bottom of the battery box and the motor. These areas can reach temperatures in excess of 140°F (60C), which can be dangerous to the touch. Exercise care while handling the ZBoard during and after use.

4.3. MINIMUM AGE: 18 YEARS OLD. Rider must be 18+ years old to ride the board.

4.4. MAXIMUM WEIGHT: 225 LBS (102 KG). Additional weight will reduce performance, accelerate wear and tear, and lead to additional maintenance and repair requirements that may not be covered by warranty. Additional weight may cause safety issues for the rider and bystanders. The ZBoard is intended for use by ONE PERSON at a time.

- 4.5. START SLOW.** Initial rides should be slow and in an open and safe environment. Read Section 3 of this manual and practice *accelerating, coasting, turning, and braking* at slow speeds before increasing your speed, riding on hills, etc.
- 4.6. KNOW WHERE TO RIDE.** The ZBoard does not conform to Federal Motor Vehicle Standards and is not intended for operation on public streets, roads or highways. Do not operate the ZBoard in traffic or near pedestrians or other vehicles. Skateboarding and Electric Skateboards are regulated by state and local laws, which vary by location. As a rider, ***you are responsible for knowing the specific requirements, laws, and regulations in your area.*** Consult local authorities before use.
- 4.7. WEAR FLAT, RUBBER SOLED SHOES.** Appropriate footwear is required to correctly interface with the ZBoard's footpads. Shoes with raised heels alter the rider's weight distribution and sandals do not securely attach to your feet. Because of the possible need to dismount the ZBoard quickly, never ride barefoot or without proper shoes.
- 4.8. ONLY RIDE DURING DAYLIGHT.** Riding at night is extremely dangerous. Poor visibility makes it difficult to see obstructions, and makes it difficult for others to see you.
- 4.9. AVOID UNEVEN SURFACES, WET SURFACES, OBSTRUCTIONS, POTHOLES, CRACKS, AND PUDDLES.** Riding on uneven surfaces can lead to loss of balance, traction, or other sudden unforeseen movement. Avoid puddles, sprinkler runoff, and other wet conditions at all costs to keep electronics and bearings dry. **NEVER RIDE IN THE RAIN.** Riding in the rain or other wet conditions can lead to dangerous situations including a slippery deck surface, limited traction, and reduced visibility for both the rider and pedestrians or vehicles nearby. Riding your ZBoard in the rain will void your warranty and likely lead to damage to both electronics and moving parts.
- 4.10. DO NOT ATTEMPT TRICKS OR STUNTS.** Ride in control at all times and never attempt tricks or stunts. The combination of power and weight make your ZBoard a potentially hazardous device. Improper use can result in property damage, serious injury, or even death. Understanding all of its features and controls is necessary for safe riding. The user of this product assumes all risks associated with its use.

5. MAINTENANCE

While the ZBoard is designed to be robust, it will occasionally require basic maintenance. Follow these guidelines to ensure you minimize unnecessary issues. When maintenance is required, step-by-step replacement instructions are available at www.myzboard.com.

- 5.1. TREAT YOU ZBOARD WITH CARE.** The ZBoard has sensitive electronic parts and must be treated accordingly. Do not slam the ZBoard against the ground, drop it from any height, or leave it outside or in direct sunlight for extended periods of time.
- 5.2. TIGHTEN FITTINGS.** When riding, the ZBoard experiences extreme and repeated vibrations, which can loosen hardware over time. Check the tightness of hardware on the battery box and trucks before each ride. Each component can be tightened with pliers and the included hex keys. Be careful not to over-tighten or strip hardware components when tightening them. Apply a small amount of Loctite Blue to the threads of any screws that repeatedly loosen.
- 5.3. INSPECT YOUR ZBOARD BEFORE EVERY RIDE.** Before using, turn on your ZBoard and evaluate its functionality. If you hear rattling, smell burning, your ZBoard is moving without any pressure, or it simply won't move or turn on, **do not attempt to ride**. Please visit www.myzboard.com or contact customer service for assistance.
- 5.4. KEEP THE BOARD AS DRY AS POSSIBLE.** The ZBoard is not waterproof. Avoid wet pavement and puddles at all times to prevent rust damage to bearings and trucks, and electrical damage. If your ZBoard does get wet for some reason, thoroughly dry it off.
- 5.5. PROPERLY MAINTAIN YOUR BATTERY.** To preserve the life of your battery we recommend you charge your ZBoard between uses, even after short rides. Always charge in a warm and dry location, and never store it in extreme temperatures or conditions as this may negatively impact battery life. Charge your ZBoard's battery fully before storing it for an extended period of time, and take it out of storage to charge at least once a month. When maintained properly, ZBoard Classic battery packs are rated up to 250 cycles and ZBoard Pro battery packs are rated up to 1000 cycles. Replacement and upgrade batteries are found at www.zboardshop.com/store. **NEVER** charge your board when it is "on" as this may damage the charger, battery, or speed controller.

5.6. TRUCK MAINTENANCE: The ZBoard’s trucks are rugged and durable, with bushings specially formulated to absorb shock, provide positive steering control, and have a long life, but they will wear over time. Before each use, check that they are adequately tightened. Avoid over-tightening or you may damage the bushing, ruining the truck and causing a potentially danger to the rider. If they are damaged or become too loose to use, replacement bushings are available at www.zboardshop.com/store.

5.7. REPLACE THE DRIVE WHEEL WHEN NEEDED. The ZBoard’s drive wheel will wear down much faster than the other three wheels. Once this rubber has worn down such that the belt cover occasionally scrapes against the ground or the ride becomes uncomfortable or noticeably slower, you may need to replace the drive wheel. Replacement drive wheels are available at www.zboardshop.com/store, and step-by-step installation instructions can be found at www.myzboard.com.

The other three wheels should wear evenly, but if this is not the case, they may be “rotated” (removed and interchanged) to maximize the life of all three. Use only authentic ZBoard wheels on your board. Do not attempt any modification to install any other skateboard wheels on the ZBoard.

5.8. REPLACE THE DRIVE BELT WHEN NEEDED. Approximately every three months or after unusually heavy usage, the ZBoard’s drive belt may wear down or break. An additional drive belt is included in your packaging, and directions for how to replace it can be found at www.myzboard.com. Be proactive about this repair and do not wait for your drive belt to fail.

5.9. CLEAN OR REPLACE BEARNIGS WHEN NEEDED. If you feel that your ZBoard isn’t riding as smoothly as when purchased, this may be caused by dirty or rusted bearings. Bearings will need replaced more often if your ZBoard has been exposed to water, excessive amounts of dirt or sand, or ridden aggressively or for extended periods on rough terrain. To see how to clean and/or replace your bearings, head over to myzboard.com.

6. WARRANTY

Intuitive Motion warrants to the owner that the ZBoard will be free from defects in materials, workmanship, and electronics, as well as from battery defects for 180 days from the delivery date when used for the purpose intended, under normal conditions.

The ZBoard is intended for use on paved or concrete surfaces and hard-packed paths or roads only. The board is not to be operated on grass, through water, over deep potholes, or off curbs.

In most cases, in-warranty repairs can be done by the customer upon receipt of replacement parts from Intuitive Motion, shipped at no extra cost. When necessary, warranty shipping back to Intuitive Motion is the responsibility of the customer. If a faulty unit is shipped back, and the necessary repair is deemed in-warranty, Intuitive Motion will repair at no additional cost, but customer will be responsible for return shipping. If your ZBoard shows signs of abuse from non-intended uses and/or the repair is deemed non-warranty, Intuitive Motion will quote the customer a cost for parts, labor, and return shipping.

The warranty does not cover water damage, cosmetic damage, normal wear and tear (on the wheels, bearings, belt, bushings, etc.), or accidental damage. **Your ZBoard is NOT waterproof, so do not ride in the rain or in other wet conditions!**

Your insurance policies may not provide coverage for accidents involving the ZBoard. To determine if coverage is provided, contact your insurance company.

LETTER FROM THE FOUNDERS

Dear Friend,

Congratulations on your purchase and welcome to the ZBoard Family! Without you, there would be no ZBoard, and we will never forget that.

This ZBoard is the latest technology in portable, easy to use personal transportation. It may look like a skateboard at first, but with its onboard motor controlled by unique weight-sensing footpads, the ride experience is all its own. Take some time to familiarize yourself with this user manual to maximize your experience, and in no time at all you will be effortlessly cruising everywhere you want to go.

The ZBoard is the result of years of development meant to add fun and function to your commute and free time alike, and has been shaped substantially along the way by feedback we have received. We want to continue to offer the highest quality product, the best features, and the most fun that we can, so if you have any ideas, questions, or comments please let us know.

Now get out there and **GO ZBOARDING!**

Regards,



Ben Forman
Co-Founder



Geoff Larson
Co-Founder



FOR QUESTIONS REGARDING YOUR
ZBOARD PURCHASE, EMAIL US AT
OWNERSHIP@MYZBOARD.COM