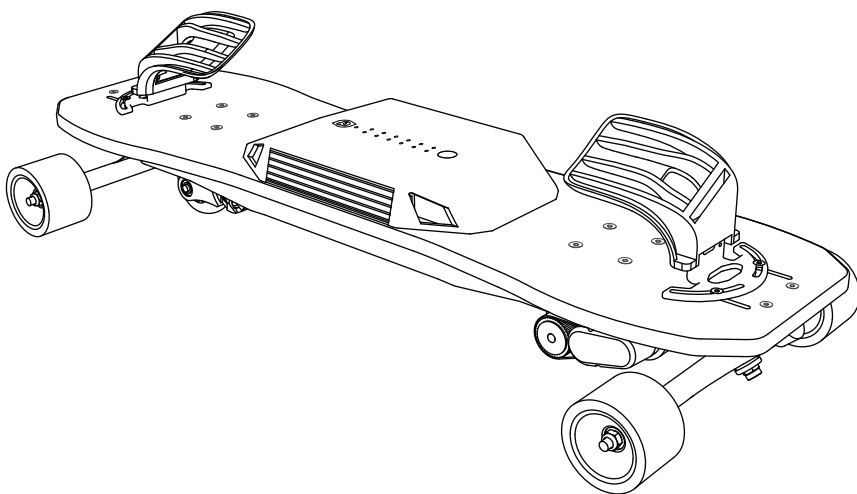


LEIF

Quick-Start Guide



Original Instruction
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GUIDE VERSION 1.4

CONTACT

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LEIF Technologies
33 Flatbush Ave 3rd Fl, Brooklyn, NY 11217 USA
LEIF eSnowboard
Model: LEIF
Serial Number: REG0001
Year of construction: 2016
Weight: 24 lbs
CE marking
Max. speed: 23mph
Max. Load: 250 lbs
Min. Load: 90 lbs
Charging voltage and current: 29.2V 2.0A



CE WARNING:

If giving to someone for the holidays, leave it in its partially charged state. Do not take it out of the package to bring it to a full charge and then wrap it back up. Often, the product comes partially charged. Leave it in that state until it is ready to be used.

VIDEO TUTORIALS



This icon indicates a video explanation on the LEIF TRAINING website.



This icon indicates a video explanation on the LEIF REPAIR website.

LIMITED WARRANTY

The LEIF is covered by a 6 month manufacturer's warranty that covers defects in workmanship and material. This does not cover damage caused by abuse, misuse, negligence, accident, or riding in water or on wet surfaces.

If the product has a manufacturing defect within 90 days of the ship date, contact warranty@leiftech.com before shipping the esnowboard back in order to get a return authorization.

FOR ALL RETURN and WARRANTY SHIPPING:

Please keep your original LEIF shipping box and packing materials. The warranty does not include damage from shipping in insufficient packaging.

WARNING!

RISK OF DEATH OR SERIOUS INJURY

Whenever you ride a LEIF esnowboard, you risk death or serious injury from loss of control, collision and falls. To ride safely, you must read and follow all warnings and instructions in the guide and online at WWW.LEIFTECH.COM

Avoid water, wet surfaces, slippery or uneven surfaces, steep hills, traffic, cracks, tracks, gravel, rocks, or any obstacles that could cause a loss of traction and cause a fall.

WARNING: Do not ride LEIF in environments, on inclines, or at speeds where you would not be safely in control of a traditional skateboard or snowboard. In the event of wireless interference or battery fault, you may need to rely on the mechanical braking function and slide to a stop. For more information, visit the online tutorials

WARNING: Properly exit the foot bindings during a fall. Always jump backwards to slide your feet out of the bindings and properly exit the foot bindings during a fall.



WARNING: AVOID SUBMERGING IN WATER! Your LEIF is not water proof. Electronics, bearings and other components can be damaged. Water damage is not covered under the warranty.

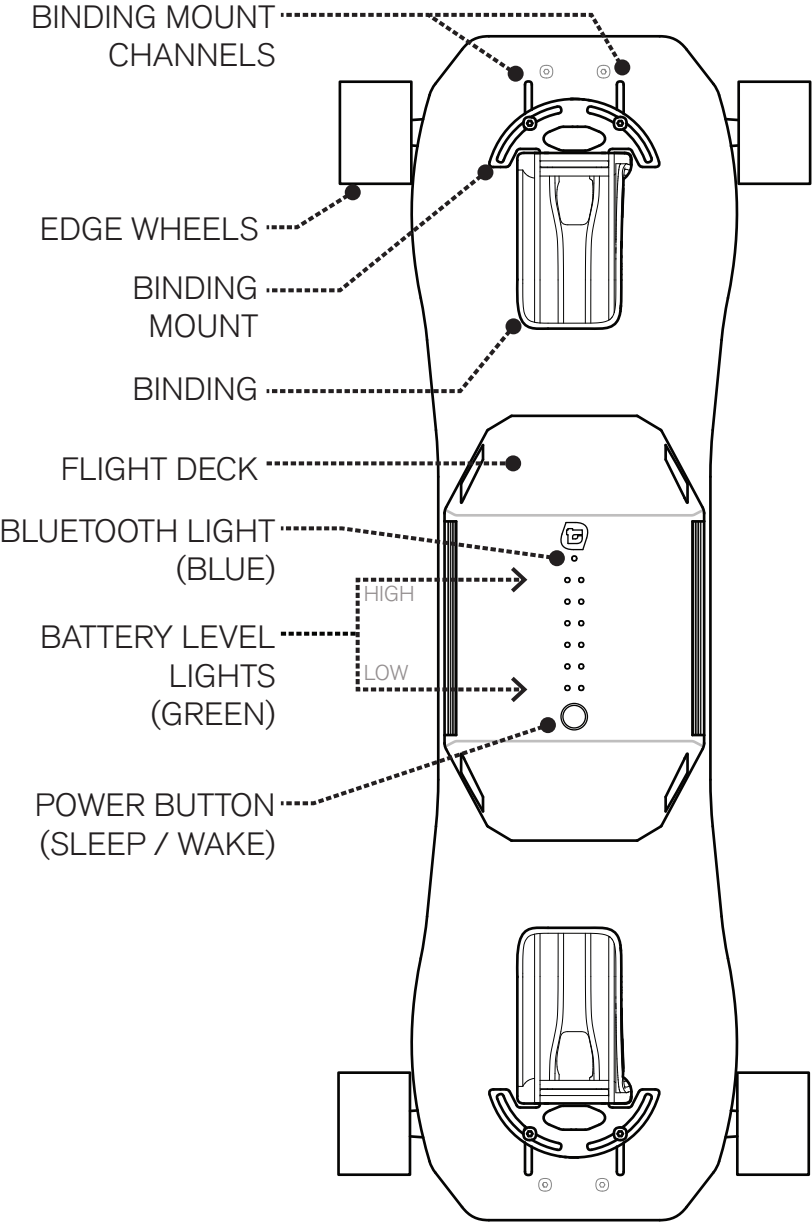
WARNING: PINCH POINTS! Keep fingers, hair, and clothing away from belts, motors, wheels, and all moving parts.

WARNING: RISK OF ELECTRIC SHOCK! Do not open or tamper with electronics housings, which also voids the warranty.

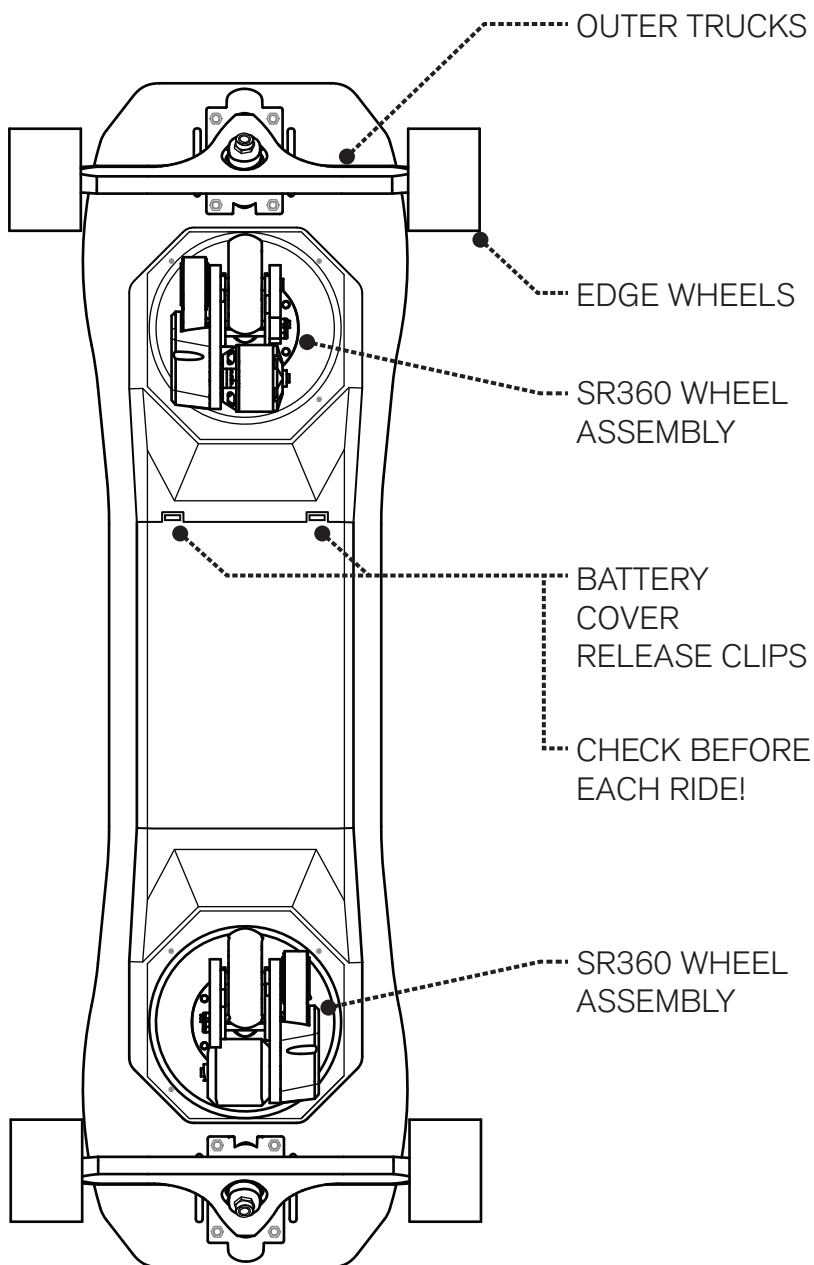
WARNING: AVOID TRAFFIC! Do not ride near vehicular traffic.

Ride with respect, have fun and help promote snowboarding in the summertime!

DECK TOP VIEW

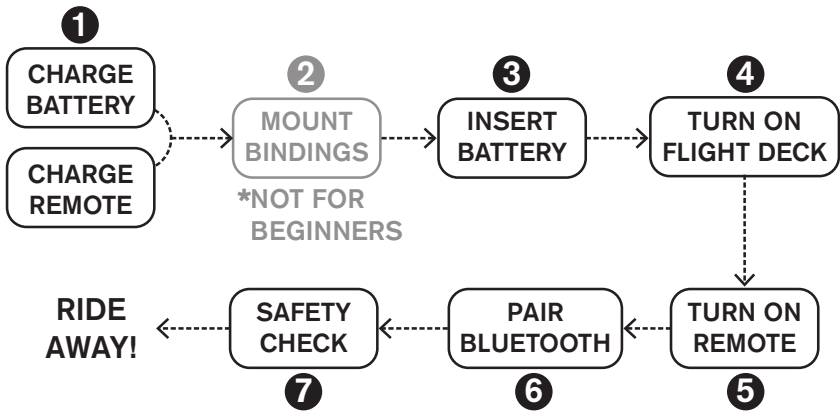


DECK BOTTOM VIEW



QUICK-START PROCESS

READ THE ENTIRE GUIDE BEFORE RIDING!



6-STEP SAFETY CHECK SEQUENCE BEFORE EVERY RIDE:

 [LEIFTECH.COM/TRAINING](https://www.leiftech.com/training)

1	Battery straps are locked down
2	Battery cover lid is locked down and both snaps are engaged (will hear a *click* when snaps lock into place)
3	SR360 is free of debris, motorized inner wheels are spinning with no friction, and timing belts are tight
4	SR360 is rotating freely and the large outer edge wheels are spinning freely
5	Remote control and board batteries are fully charged
6	You are using a helmet and safety gear

YOUR FIRST DAY - BEFORE YOU RIDE

Visit <http://www.leiftech.com/first-day> BEFORE you try riding for the first time. This is a video/instructional process on learning in the most efficient way. **Your first day will be very difficult without this instruction and knowledge.**

ALWAYS WEAR A HELMET!

It is important to wear safety gear when using this device -- a skateboard helmet, and knee and elbow pads and wrist guards for protection from falls.

RIDING TIPS



Find an open, flat area with smooth pavement and no obstacles for your first ride. Closed basketball courts, tennis courts and parking lots work well for training areas. **Read the warnings on your LEIF and this entire guide.**

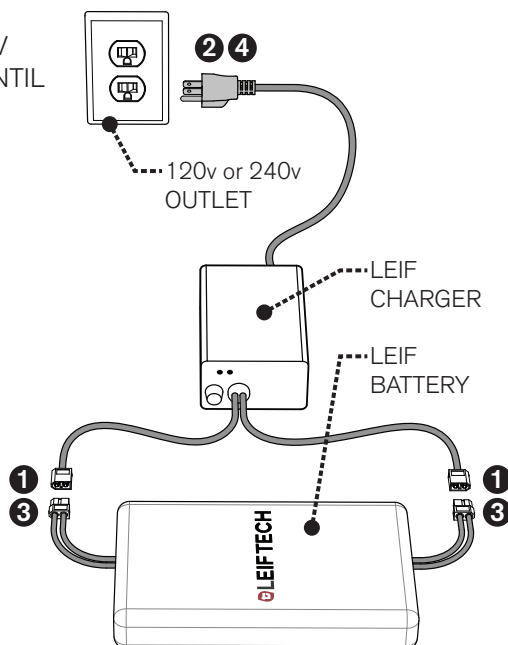
WARNING: The throttle wheel on the remote is sensitive. Avoid getting thrown off the back while riding by following these tips:

- Try using the board without bindings until you can ride comfortably
- Start by moving as slowly as possible
- Move the throttle wheel in small increments
- Adjust the foot bindings to fit a stance that is comfortable for you
- Keep a low center of gravity, keep your knees bent
- Lean slightly forward while accelerating
- Lean slightly backward while using the electronic brake
- The caster wheels must both be facing with the motor in the forward direction, otherwise the board will vibrate and not start from a stop
- A push start is the most effective way to start from a stop. This will ensure a smooth start and also extend battery life

CHARGE BATTERIES

- 1 CONNECT (2) SETS OF BATTERY WIRES AND CHARGER WIRES
- 2 PLUG CHARGER INTO 120V OR 240V WALL OUTLET, UNTIL CHARGED (GREEN LIGHT)
- 3 DISCONNECT (2) SETS OF BATTERY WIRES AND CHARGER WIRES
- 4 UNPLUG CHARGER FROM WALL OUTLET

▶ LEIFTECH.COM/TRAINING



THINGS TO KNOW ABOUT THE BATTERY

- ! STORE YOUR LEIF WITH THE BATTERY WIRES UNPLUGGED. 3
- ! Always use care when removing or placing the BATTERY.
- ! Perform a "Power Cycle" by unplugging the two wires shown above. 3
- ! Leaving a battery pack plugged into the board for multiple days will drain the battery.
- ! Do not charge directly after riding. Let the device cool for an hour before charging.
- ! Charge and store in an open dry area away from combustibles (meaning items that can catch fire).
- ! Do not charge overnight or when you are not able to observe the board.

INSERT BATTERIES

▶ LEIFTECH.COM/TRAINING

- 1 TURN LEIF UPSIDE DOWN, WITH WHEELS UP
- 2 REMOVE BATTERY COVER BY OPENING LOCK TABS
- 3 *GENTLY* PULL OUT 2 BATTERY CONNECTORS AND ENSURE CONNECTORS AND VELCRO STRAPS ARE OUTSIDE OF THE BATTERY COMPARTMENT
- 4 SLIDE BATTERY IN WITH ONE SIDE FIRST (THE SIDE FACING THE LONG SIDE OF THE VELCRO STRAPS)
- 5 CENTER BATTERY IN COMPARTMENT AND CONNECT THE VELCRO STRAPS
- 6 CONNECT AND HIDE THE POWER CONNECTORS TO THE BATTERY CONNECTORS

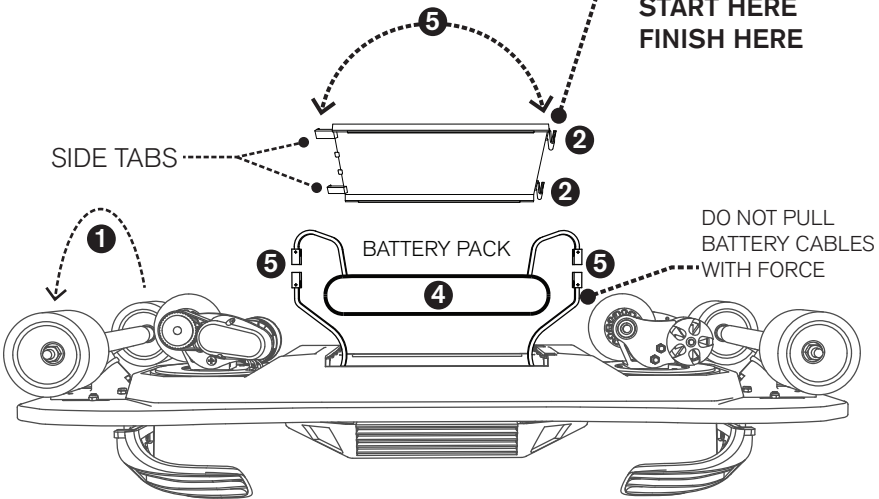
- 5 REPLACE BATTERY COVER:
**START BY INSERTING SIDE TABS,
FINISH BY PUSHING IN LOCK TABS
UNTIL YOU HEAR A “CLICK”**

--- **VERY IMPORTANT!!**

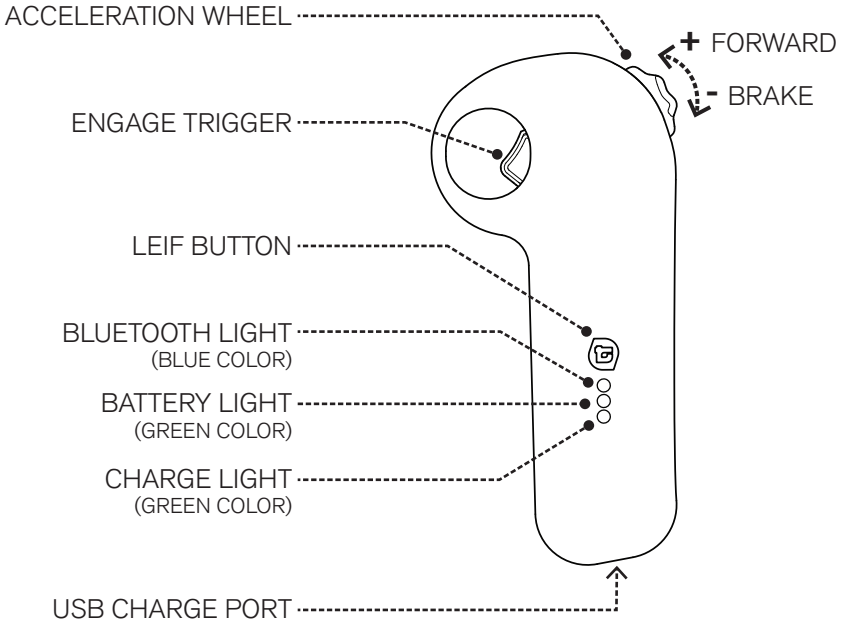
BATTERY COVER
LOCK TABS
**START HERE
FINISH HERE**

SIDE TABS

DO NOT PULL
BATTERY CABLES
WITH FORCE



REMOTE

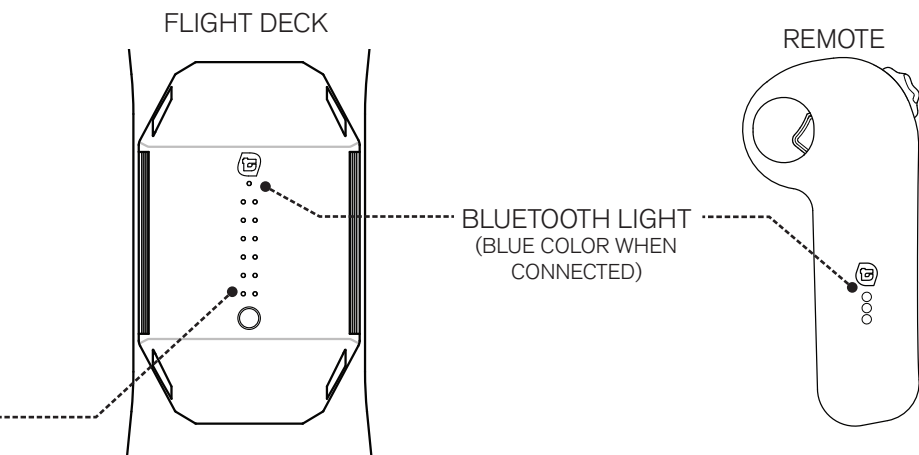


- ❗ If the board accelerates or continues to roll after releasing the trigger, then the top screw on the remote control is too tight, causing the trigger to be sticky and not release. Loosen the top screw on the remote control (near the thumbwheel) one turn. Test by turning on the remote and confirming that the middle green light stops flickering when the trigger is released. You should also hear a click sound when pressing the trigger and another click sound when releasing the trigger.
- ❗ The Remote's Battery Light is also a trigger button debugging light. The Battery Light should have a slight flicker when the trigger is pressed. If you press the trigger and the Battery Light stays solid, then the trigger may be broken. If this occurs, please email support@leiftechnologies.com.
- ❗ If bottom two lights on the flight deck are flashing, the battery is dead. If you believe you have a charged battery, power cycle the battery by unplugging and plugging in the battery wires.

POWER / BLUETOOTH PAIRING



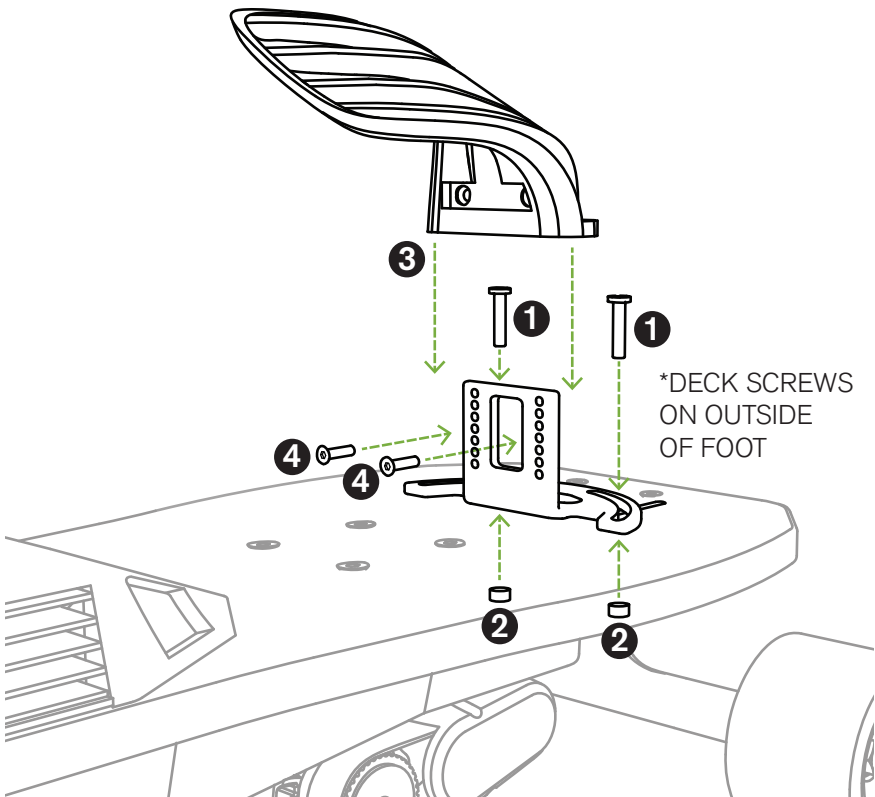
- ❗ Power ON the remote by pressing the LEIF BUTTON.
- ❗ Power OFF by pressing and holding the LEIF BUTTON for one second.
- ❗ The remote will automatically turn off after 2 minutes of inactivity.
- ❗ When powered on, the BATTERY LIGHT will flash to show battery level
 - 3 FLASH = FULL CHARGE
 - 2 FLASHES = HALF CHARGE
 - 1 FLASHES = LOW BATTERY (Charge with the USB CHARGE PORT)
- ❗ To pair the remote with the flight deck, hold down the LEIF BUTTON on the remote for **7-10 seconds**, while the FLIGHT DECK is powered ON. A fast three-flashes from the green LED will signal the syncing sequence has begun. Wait another **10-20 seconds**. If the remote is not synced, hold down the button for 5 seconds to test again.
- ❗ Bluetooth connectivity to the FLIGHT DECK is confirmed when you see a solid blue BLUETOOTH LIGHT on the top surface, under the leif logo.



MOUNT BINDINGS



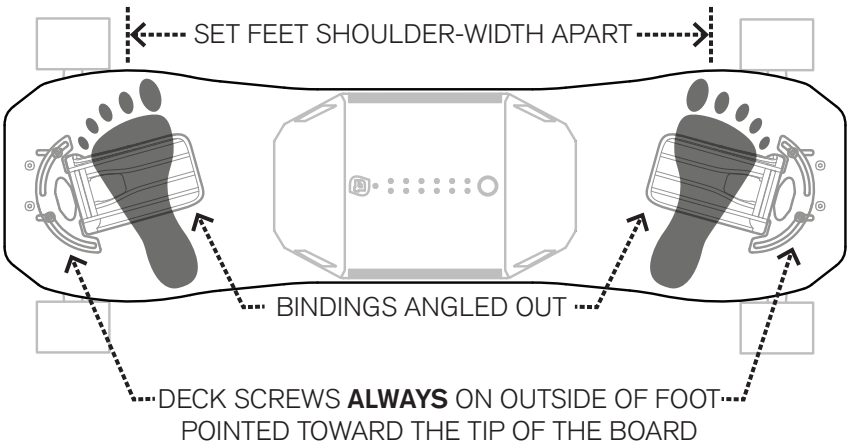
- 1 INSERT DECK SCREWS (2)
- 2 INTO NUTS **UNDER** DECK
- 3 SLIDE ON LEIF BINDING AT PREFERRED HEIGHT
- 4 TIGHTEN BINDING SCREWS (2) THRU HOLES IN BINDING AND BASE



SET YOUR STANCE



We recommend using “duck footed” angles to position your bindings. this offers maximum stability and binding comfort.



RIDING MODES



MODE 1 - Miyagi Mode: Lower acceleration and maximum stability control. This is great for your first day on the LEIF.

MODE 2 - Shred Mode: Moderate acceleration and stability control. Many riders will always use this mode, as it most accurately simulates the feel of snowboarding. THIS IS THE DEFAULT MODE.

MODE 3 - F1 Mode: Maximum acceleration and no stability control. This mode is very aggressive and responsive to the rider's control.

THINGS TO KNOW: RIDING MODES

! To change or cycle through riding modes

Hold down the POWER BUTTON on the FLIGHT DECK for 5 seconds. The battery indicator lights will flash.

1 FLASH = MODE 1

2 FLASHES = MODE 2

3 FLASHES = MODE 3

! Your chosen mode is stored in the memory when powering the board ON/OFF with the FLIGHT DECK POWER BUTTON.

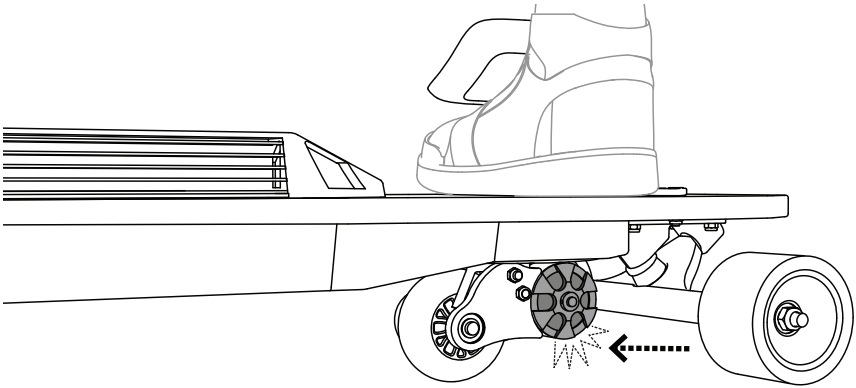
! The LEIF will return to default MODE 2 when unplugging the batteries during a battery swap or power cycle.

PROTECT THE MOTORS

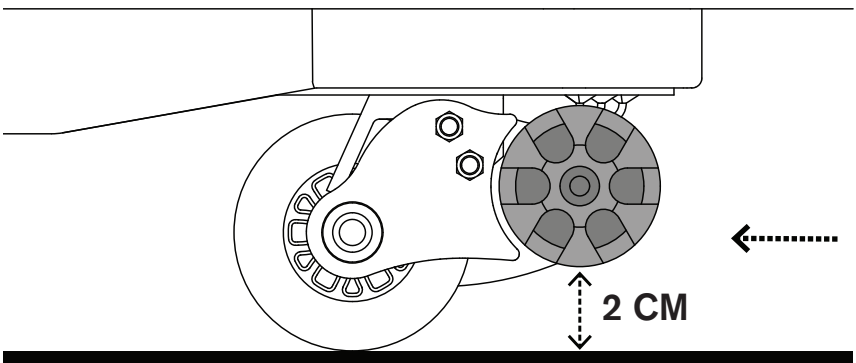


WARNING: If the motors take physical abuse, they can begin to make noises when running or stop running altogether.

- The outer trucks help protect the motors, but they can still be vulnerable
- Avoid curbs, especially as a beginner



! AVOID HEAD-ON COLLISIONS WITH CURBS, SMALL OBJECTS, OR UNEVEN SURFACES.



WARNING: The motors are 2cm (0.78 inches) off of the ground. Any object or uneven surface that is taller than 2cm will require you to maneuver around it, or jump over it.

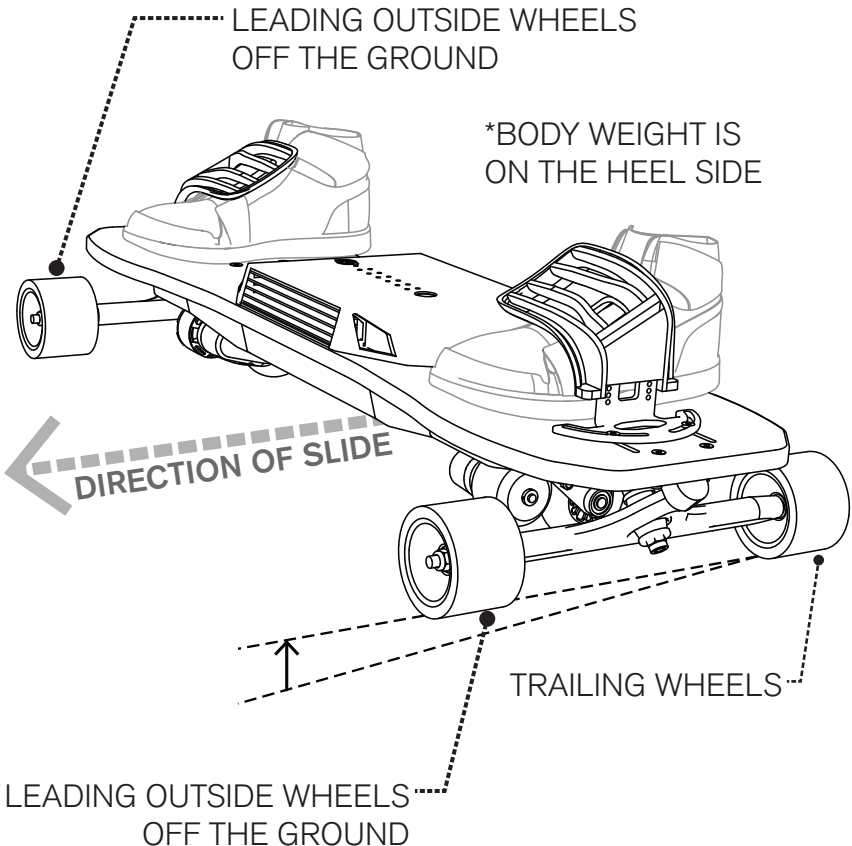
EDGE DYNAMICS



WARNING: The LEIF esnowboard uses edge dynamics that function like a snowboard, so the rider must use the same precautions as riding a snowboard to avoid “catching an edge”.

- ❗ Use your **outside wheels** as an edge balancing mechanism.
- ❗ Do not attempt slides **until you are comfortable riding**.
- ❗ Do not attempt slides **at low speed**.
- ❗ Use caution sliding with low battery, as losing motor power during a slide **may cause an unexpected fall**.

FRONTSIDE SLIDE



EDGE DYNAMICS

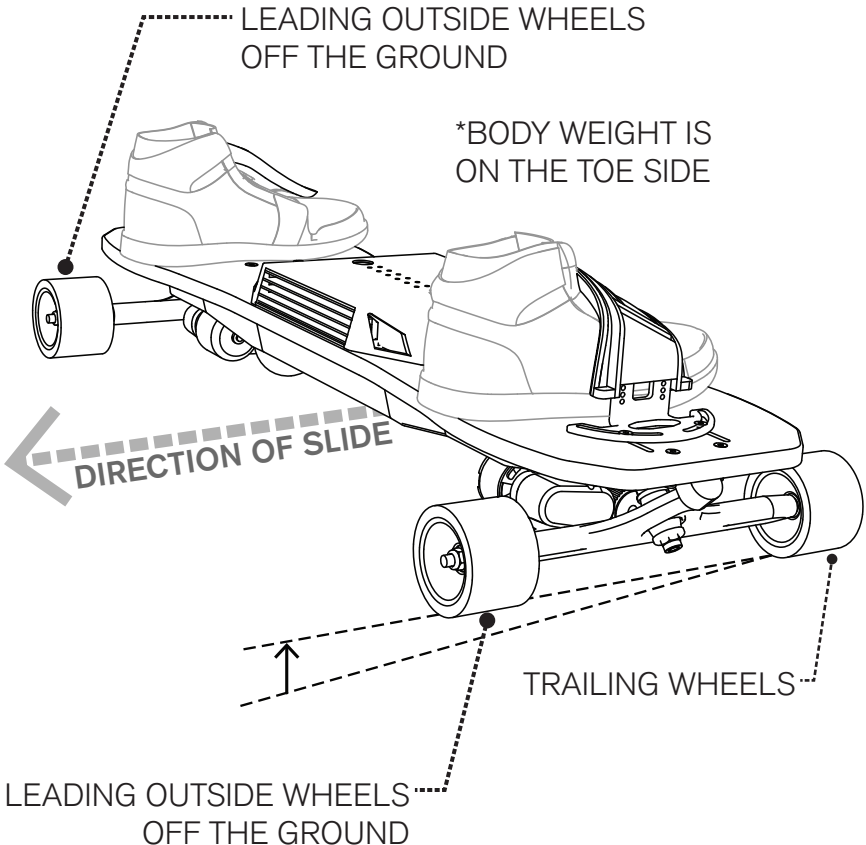


WARNING: Allowing the outside wheels to contact the ground on the leading edge will cause the esnowboard to “catch an edge”, which may cause an unexpected fall.

❗ While sliding, always keep the leading outside wheels **off the ground**.

❗ Always keep your **body weight tilted back** on your trailing edge while sliding.

BACKSIDE SLIDE



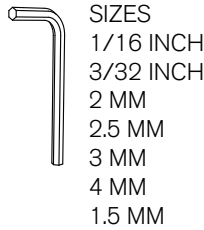
RECOMMENDED REPAIR TOOLS

 [LEIFTECH.COM/REPAIR](https://leiftech.com/repair)

THREAD-LOCKING LIQUID (LOCTITE OR SIMILAR)

Use to secure loose screws

HEX KEYS



TROUBLESHOOTING

 [LEIFTECH.COM/REPAIR](https://leiftech.com/repair)

CAUSE OF PROBLEM	CORRECTIVE ACTION
Always try a power cycle first	Unplug both battery plugs, count to ten, plug back in. This will fix almost all problems that occur.
Board doesn't respond to remote	Verify Bluetooth connection. Be sure to use the ENGAGE TRIGGER on the remote. See trigger debug instructions on page 10.
Motor noise intermittently while sliding or riding	This is normal when electric motors are slightly out of sequence while riding. This can happen when going over debris, jumping or sliding. To get motors back into sequence, let go of the trigger momentarily then re-engage trigger. The noise can stop even with a fast click of the trigger.
Motor makes noise all the time	Most likely the motor has received physical damage. The motor will continue working despite the noise, but you may also email support@leiftech.com to purchase a replacement.
Remote control is not connecting to the board	Undergo the remote control sync sequence (see guide page 10-11).
Bindings are shifting while riding	The binding mounting nuts and bolts need to be tightened.

RECOMMENDED REPAIR TOOLS

- #2 PHILLIPS HEAD SCREWDRIVER
- FLAT HEAD SCREWDRIVER
- ADJUSTABLE WRENCH
- C-CLIP WRENCH

TROUBLESHOOTING



[LEIFTECH.COM/REPAIR](https://www.leiftech.com/repair)

CAUSE OF PROBLEM	CORRECTIVE ACTION
The board is slow or range is very low	Most likely a bearing is causing friction and needs to be replaced. To confirm the bearing is bad, remove the belts and see if the wheel spins freely by spinning with your hand. Replace the bad bearings by undergoing the wheel replacement procedure.
Loud sound from the belts during riding	Most likely, one of the timing belts has lost its grip and needs to be replaced. Those familiar with timing belts will know this sound well. Undergo the belt replacement procedure if the belts are worn.
Loose screw(s)	Use thread locking liquid to keep screws from coming loose. Use a very small drop of blue liquid on the screw threads and re-insert screw.
Battery has very little range	If you have confirmed there is no bearing friction happening, then most likely the battery was damaged physically or was damaged from being left plugged into the board overnight.
Bottom row of lights flashing on Flight Deck	Power cycle the battery. If this continues after power cycling, then you know the battery is dead.
Battery lid repeatedly falls out	First, try tucking the cords deeper in the inner space next to the battery, they could be pushing the lock tabs out. It could be due to physical damage as a result of the battery not being strapped in tightly. Contact support@leiftech.com to order a replacement battery lid.
Motors are making "clicking" sounds	One of the motor pulley set screws are loose. Please register in the forum and see videos at www.leiftech.com/repair .

LEIF ONLINE RESOURCES

MAIN WEBSITE:

www.leiftech.com

TRAINING:

www.leiftech.com/training

LEIF VIDEOS:

www.leiftech.com/videos

LEIF ONLINE GUIDE:

www.leiftech.com/guide

LEIF INSTAGRAM:

www.instagram.com/leiftech/