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## Before You Begin

### Before You Begin

Before learning to ride your E-LiteBoard®, you must read and follow all instructions and warnings in this user manual. It is important that you follow all safety warnings and cautions that appear throughout the user manual and that you use good judgment when you ride your E-LiteBoard® electric skateboard.

### WARNING! READ BEFORE YOU RIDE!

The E-LiteBoard® is an off road electric skateboard that uses brushless belt drive motors and E-ABS to accelerate and brake. E-LiteBoard® is capable of reaching high speeds and can result in serious injury or death if you do not ride safely. To reduce risk of injury, you must read and follow all instructions and warnings in the user manual.

### ATTENTION: HIGH SPEED MODE

High Speed Mode must be used only in non-traffic, open areas, where you have a minimum of 200ft clearance ahead to stop safely.

### Your Board Can Lose Power or Brakes at Any Moment

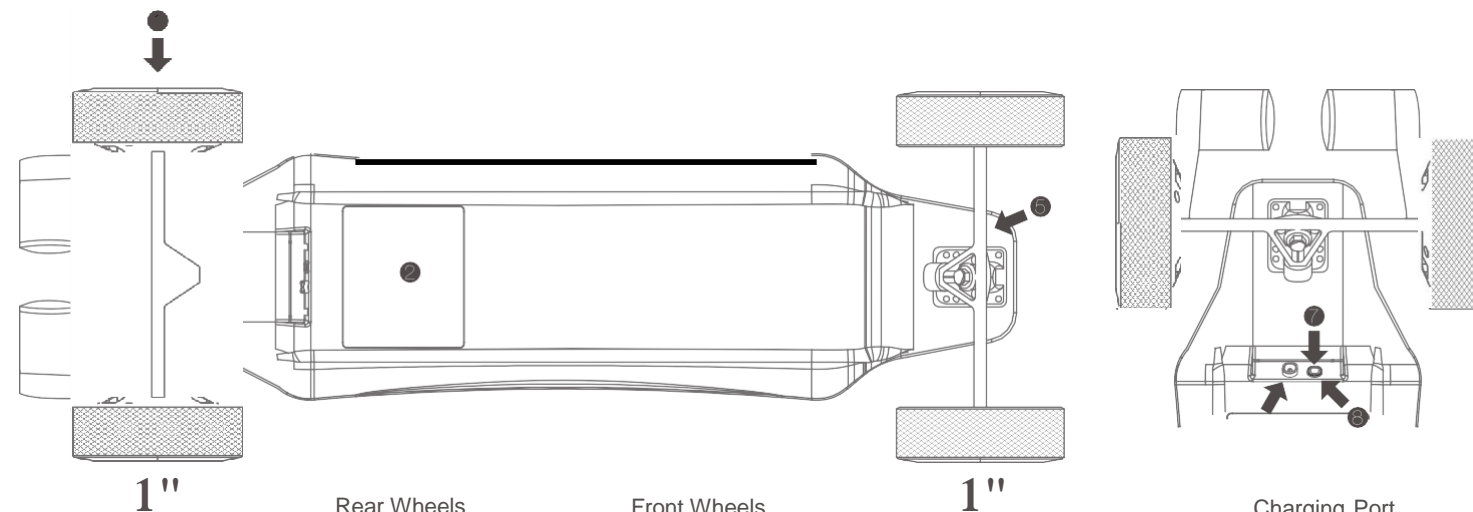
Due to the possibility of your remote or board battery dying, radio interference, or emergency shutdown from overcharging via regenerative braking on a full battery, always ride your E-LiteBoard® at speeds and on hills that you would be comfortable riding on a regular skateboard without power or electronic brakes. It may be necessary to use skateboarding techniques such as foot braking and sliding to come to a stop.

### Always Wear a Helmet

Using protective gear such as knee and elbow pads, along with wrist guards are also recommended. Falls at high speeds can cause serious injury, protect yourself with the proper gear.



## The Raldehy Board



Rear Wheels

Front Wheels

Motor Controller

Front Trucks

Carbon Fiber Deck

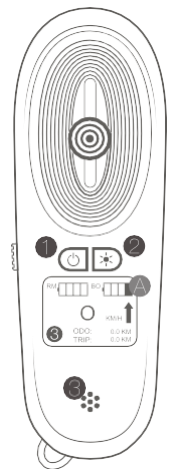
Charging Port

Power Button

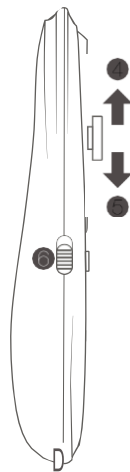
Indicator LED



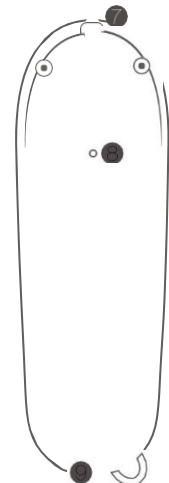
## The Board Remote



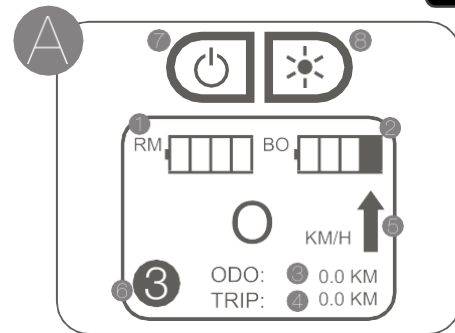
Power  
Speed Switch  
Speaker



Accelerate  
Brake  
Forward/Reverse



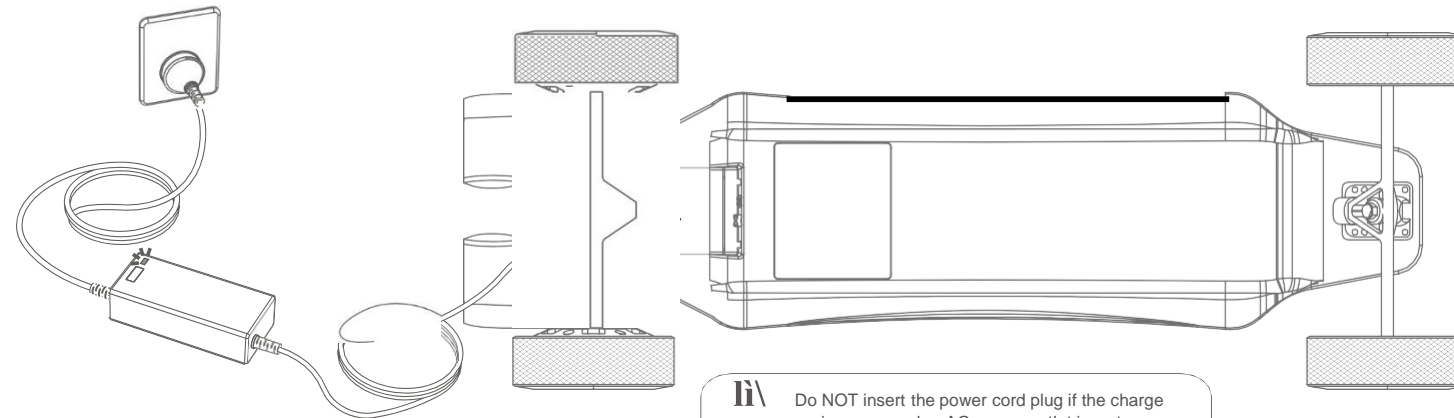
LED Light  
Pairing Button  
Charging Port



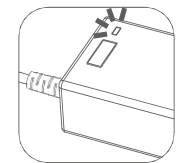
Remote Battery      Tripmeter  
E-LiteBoard® Battery      Current Speed  
Odometer      Current Speed Mode  
Power Button  
LED Light Switch - Twice to Press and Turn on the Light



## Charging Your Batteries



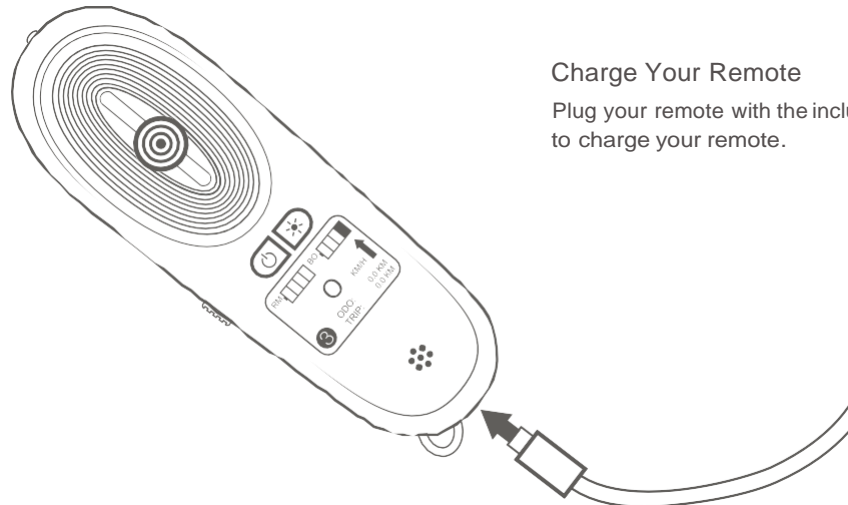
**!** Do NOT insert the power cord plug if the charge port, power cord or AC power outlet is wet.



### Battery Charge Indicator Light

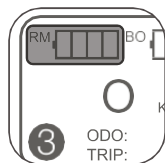
- " When the E-LiteBoard® is plugged in and charging the battery charge indicator will be solid red
- " When battery charge indicator turns green, the batteries are fully charged.

## Charging Your Batteries



### Charge Your Remote

Plug your remote with the included Micro USB cable to charge your remote.



### Battery Charge Indicator Light

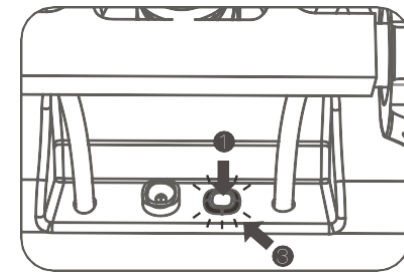
When the Remote is plugged in and charging, the battery indicator icon will flash.

When battery icon is full and stops flashing, the battery is fully charged.

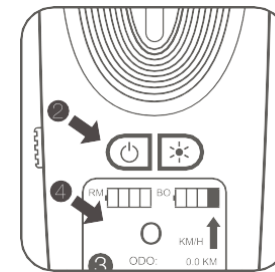
## Pairing Your Remote

### Check to see if You're Paired

Once your board and remote are powered on, check to see if you are paired (the left indicator light on the remote should be on). If you are not paired, follow these steps to pair your remote to your board. Start by powering off the E-LiteBoard® and your Remote.



- 1) Power on the E-LiteBoard®, press and hold power button for 6-7 seconds.
- 2) At the same time, press and hold power on the remote for 6-7 seconds.



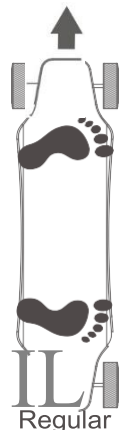
- 3) Once you let go, the indicator light should begin blinking from slowly to fast.
- 4) The remote contains its displayed on the screen: remote paired OK.





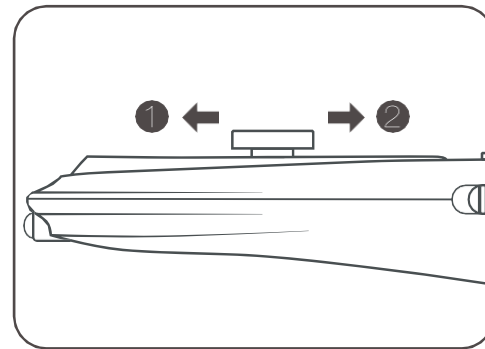
## Stance

The best way to find out whether you ride Regular (left foot forward) or Goofy (right foot forward), is just ride and see what's more comfortable for you.



The E-LiteBoard® uses powerful motors that can throw you off balance if you are not standing properly, or ready for the acceleration or braking. Follow these tips for a safer ride!

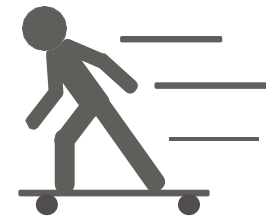
- 1) Push the acceleration or pull on the brakes in slow increments until you learn how the E-LiteBoard® reacts.
- 2) Stand wide on the board to help balance your weight as it shifts when you accelerate and brake.
- 3) Stay in Speed Mode I (Beginner Mode) until you are comfortable riding the Raldehy Board.



## Using Your Remote

- 1) Push up on the joystick to accelerate (forward or reverse).
- 2) Pull back on the joystick to brake.

Lean forwards when accelerating to help keep your balance.



## Braking

Lean back when braking to help keep your balance.





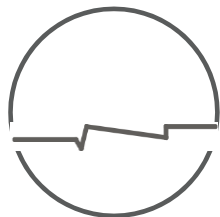


### Understand Your Limitations

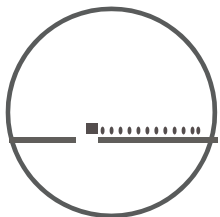
The E-LiteBoard® is at its core a longboard - therefore the same limitations apply on where and how you should ride. Always ride under control at a speed that is safe for you and those around you. Be mindful of others and the road traffic around you.

- ALWAYS wear a helmet.
- Wear other protective gear to keep you safe.
- Find a smooth, flat area to practice riding for the first time.
- Always be prepared to stop, and give pedestrians the right of way.

### Avoid Obstacles & Surfaces That Can Cause Loss of Balance or Control



Bumps, Cracks, &  
Uneven Surfaces



Pebbles, Gravel,  
& Rocks



Steep Hills



Water & Wet  
Surfaces



When riding the E-LiteBoard® you risk serious injury from loss of control, collisions, and falls. It is your responsibility to learn how to safely ride the board in order to reduce this risk. To ride safely you must follow all instructions in this user manual and use your common sense.

- Always wear proper attire when using the E-LiteBoard®, do not wear loose clothing that can catch in the wheels or drag on the floor.
- Never place anything on the board except your feet.
- Avoid obstacles and surfaces that could result in a loss of balance or traction and cause a fall.
- Use caution when riding over any terrain change such as pavement to dirt, grass, or speed bumps.
- Avoid holes, curbs, steps, and other obstacles.
- Avoid riding over any surface where the bottom of the E-LiteBoard® may impact any object.
- When using on sidewalks, make sure that one side does not drop off the curb.
- Use caution when riding in new environments.
- Be careful and considerate of others while riding.
- Respect pedestrians by always yielding the right of way.
- Avoiding 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.
- In heavy pedestrian traffic conditions, slow down and proceed at the pace of pedestrian traffic. Pass only if there is ample space to

do so safely. Do not weave in and out of pedestrian traffic.



## Rider Safety



- When riding with other skateboarders, maintain a safe distance, identify hazards and obstacles, and do not ride side-by-side unless there is plenty of room left for pedestrians.
- Cross roads at designated crosswalks or signaled intersections. Do not jaywalk/ride.
- Only travel on a road when a pedestrian way is not available, there is no bike lane, or when sidewalk use is not allowed. Do not ride your board on private property (inside or outside) unless you have obtained permission to do so.
- Learn about and obey applicable local laws and regulations.
- Inspect your E-LiteBoard® before each use.
- No passengers. The E-LiteBoard® is designed for one rider. Do not ride double or carry any passengers. Do not carry a child in your arms or in a child carrier while riding. Expectant mothers should not ride the E-LiteBoard®.
- Do not exceed the maximum weight limit (rider and all cargo) specified in this Manual. If you exceed the maximum weight limit, you are at greater risk of falling and injury.
- Be alert. As with any other transportation device, you must be mentally alert to safely ride. Do not attempt to ride if you are ill or if you cannot fully comply with the instructions and warnings in this manual. Do not ride under the influence of alcohol or drugs. Avoid distractions. Do not use a mobile phone, or engage in any other activity that might distract you or interfere with your ability to monitor your surroundings while riding.
- When riding, keep both feet on the foot mats. Be relaxed. Ride in a relaxed position with your knees and elbows slightly bent and head up.



## Battery Safety

- Do not use a Battery if the battery pack casing is broken or if the battery emits an unusual odor, smoke, excessive heat or leaks any substance. Avoid contact with any substance seeping from the Batteries.
- Keep out of reach of children and pets. Exposure to battery voltage could result in death or serious injury.
- Unplug or disconnect the board from AC power before removing or attaching Batteries or performing any service. Never work on any part of the E-LiteBoard® when it is plugged into AC power source. You risk serious bodily injury from electric shock as well as damage to the board.
- The cells within the batteries contain toxic substances. Do not attempt to open the batteries. Do not insert any object into the batteries or use any device to pry at the battery casing. If you insert an object into any of the battery ports or openings you could suffer electric shock, injury, burns, or cause a fire. Attempting to open the battery casing will damage the casing and could release toxic and harmful substances, and will render the pack unusable.
- Observe and follow all safety information on the warning label found on the batteries.
- Failure to charge the batteries could result in permanent damage to them. Left unplugged, the batteries could fully discharge over time, causing permanent damage.
- Only use charging devices approved by E-LiteBoard® and never attempt to bypass or override their charging protection circuits.
- Do not attempt to wash the board with a power washer or high pressure hose. Avoid getting water into the charge port.





- Make sure that the Charge port is dry before you plug in the power cord. Failure to follow these instructions could expose you to electric shock, injury, burns, or cause a fire.
- Do not submerge the batteries or platform in water. If you suspect the Batteries or powerbase have been submerged or experienced water intrusion, do not attempt to remove the batteries. Do not plug the Power Cord into the board. Failure to follow these instructions could expose you to electric shock, injury, burns, or cause a fire.
- As with all rechargeable batteries, do not charge near flammable material.
- If you use, charge, or store the scooter batteries outside the limits specified, you may void the limited warranty, damage your batteries, and/or experience reduced range and ineffective battery charging .

**Note:** Lithium-ion batteries are regulated as "Hazardous Materials". Transporting Lithium battery by air, or other methods, might be prohibited by policies or law. Please contact the designated agents from the carrier company for more details.



Lithium-ion Battery	14 Ah, 36 V 504 WH
Motors	3000 W - Dual 1500 W Brushless Hub
Max Speed	Upto 28 MPH
Range	Up to 18 Miles
Max Climbing Limit	25 Degrees
Charge Time	4 - 5 Hours
Deck Material	T700 Carbon Fiber
Deck Length	910mm
Wheels	195 mm/ 165 mm
Max Load	286 LBS
Product Dimensions	910 x 375 x 195 mm / 910 x 375 x 165 mm
Net Weight	13.4kg / 11.6kg



This agreement outlines the WARRANTY coverage supplied by E-LiteBoard®. The company warrants that the product will be free from defect in materials and workmanship for a period of 12 months. If the product proves defective and a claim is filed during the warranty period, E-LiteBoard®, at its option, will:

- Repair the product by means of telephone or email support, or by providing service at no charge for parts or labor.
- Repair the product with new or refurbished parts.

The following situations are beyond the warranty scope (see complete details at [Raldey.com](http://Raldey.com))

- Total mileage is over 1000 Miles.
- Damage has been caused by modification or used outside those specified in the User Manual.
- The product has been dismantled or repaired by an unauthorized third party.
- Damage or fault has been caused by other issues.
- Natural wear and tear that does not affect product function (scratches, wear and tear on deck, grip tape, bearings).
- Damage has been caused by accidents, such as breakage caused by dropping or rusting in wet environment.
- Damage caused by overloading the E-LiteBoard® electric skateboard.
- Damage caused by water.
- Damage caused by acts-of-god such as fire, flood, freezing, etc.

Warm tip: Thank you for buying this product! Improper operation may result in improper use or even damage to the relevant equipment. We strongly recommend that you read this manual carefully before using the equipment and strictly observe the prescribed operating procedures. We shall not assume any liability arising out of the use of the Product, including but not limited to compensation for incidental or consequential losses; At the same time, we do not assume any responsibility caused by unauthorized modification of the product. We reserve the right to change the product design, appearance, performance and usage requirements without prior notice.

Note: Short press the button means: press the switch in about 1 second to release, long press the button means: press the button do not release.

#### 1. Specification parameters:

Name	specification	parameters
S2 Remote control	battery size	602030
S2 Remote control	capacitance	3.7V/300mA
S2 Remote control	charging time	20 minutes to charge 50%
S2 Remote control	charging interface	Micro USB
S2 Remote control	cable	support
S2 Remote control	weighs	SSg
S2 Remote control	Communication mode	Multi-frequency-hopping 2.4g
S2 Remote control	distance	20M
S2 Remote control	display type	OLED
S2 Remote control	display size	0.96 inch /15mm*22mm

## 2. Function description

Switch on the remote control:

Long press the Power button Power/3 seconds to start the machine, and the display screen lights up.

Power off the remote control:

Hold down the Power button for 3 seconds.

Automatic shutdown of remote control:

The remote control will shut down automatically in 30 seconds without connecting the scooter. The remote control is connected to the scooter and will not shut down automatically. You must wait for the scooter to shut down after 30 seconds without connecting the scooter.

Content displayed by remote Control:

Scooter battery, remote control battery, ODO total mileage, single mileage record, sprint maximum speed record, speed, positive/reverse display, speed gear, brake gear, communication indicator, acceleration positive current, brake negative current,

Vibration prompt:

Press the Power button once, press the Reverse vibration once, and press the Power button once to shut down the scooter for a long time. In the case of error learning, the Power quantity of the scooter is lower than 10% and vibrates twice.

Learn the middle of the remote control:

When the remote control is off, long press the Power button and the Reverse button until the screen shows "OK", and the median learning is successful. If NG is displayed, it means that the median learning is not successful, and the vibration will also be long.

Light on:

When the remote control is turned on, long press the Reverse button, the remote control vibrates once, and the floodlight is turned on.

Positive/negative direction switch:

Double click the Power button, the screen shows FW-BW, forward vibration once, reverse vibration twice

Matching method:

First, turn on the Power of the scooter, and press the Power button of the scooter for 3 seconds. After the scooter indicator flashes once for 0.5 seconds, the scooter enters the matching mode. After turning on the Power of the remote control, press and hold the Power button of the Power supply and Reverse function for 1 second, and the matching is successful.

Electric quantity indicator of scooter:

The remote control is successfully connected to the scooter, as shown in the figure, the electric quantity of BO scooter is divided into 4 grids. The full light is the electric quantity ("100%-75%"), (the first grid "75%-50%"), (the second grid "50%-25%") (the third grid "25%-5%"). The electric quantity is lower than "10%-0%" and the fourth grid flashes for 0.5 seconds, and the remote control vibrates twice.

Power indicator of remote control:

Turn on the power of the remote control, as shown in the FIGURE, the power of the RM remote is divided into four grids. The full light is the power ("100%-75%"), ("75%-50%"), ("50%-25%") ("25%-5%"), and the power of the fourth light is only within 5%. The remote control cannot accelerate and can only brake.

Cruise mode:

Cruise at a constant speed of 5-50km/h. During the acceleration, press the Power button to display CRU, enter the cruise, push the acceleration and brake, and then press the following Power button to exit the cruise.

Acceleration/braking:





Push the "roller" forward to control the skateboard forward, and pull the "roller" backward to control the skateboard brake.

Pushing the 'roller' forward can switch the speed gear by pressing the button, and pulling the 'roller' backward can change the brake force adjustment.

Speed shift of scooter:

In the stationary state of the scooter or in the sliding state of the scooter, short press the Reverse button to switch the four gears of the scooter, LO low speed, MI medium speed, HI high speed and Pro high speed.

Switch of scooter brake force gear:

When the remote control pulls the "roller wheel" backward, do not send it away. At the same time, short press the Reverse button to switch the four gears of scooter brake force, b-LO low-grade brake force, B-MI middle-grade brake force, B-HI high-grade brake force and B-Pro sport-grade brake force.

Remote control charging :

The remote control is charged with Micro USB. After the remote control is charged, the RM icon of the remote control indicates the charging dynamics of the remote control.

Power protection of remote control:

When the power of the remote control is less than 5%, the battery voltage is lower than 3.2V and it is forbidden to push forward the "roller" . The brake of the backward "roller" is normal. (If the power of the remote control is less than 1% and the voltage is 3.0V, the remote control will

shut down automatically.

Note: When the power of the remote control is lower than the last grid, the user had better timely charge the remote control to avoid damage of lithium battery due to over discharge.

Signal loss:

In accelerating state, when the signal is lost, if the remote control scooter stop accelerating, slide motor freedom, when the scooter in the braking state, signal loss time brake is still valid in 1 seconds, 1 seconds to reconnect, can continue to use, if the signal after missing more than 1 second, accelerate the failure, brake failure, skateboard sliding is equal to the free.



Hang A Rope