

"Powerboard"

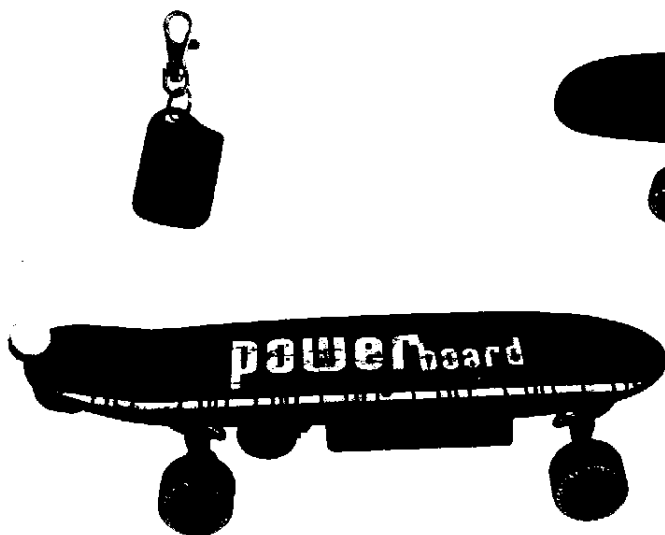
OWNERS MANUAL

Introduction to The "Powerboard"™

Dear Customer :

Congratulations and thank you for purchasing the "Powerboard"™ by "Exkate"™ (electric skateboard). For the greatest pleasure and maximum use of your "Powerboard"™ please read this owners manual thoroughly before your first test ride. With proper use, your "Powerboard"™ will provide years of safe, trouble free service. Thorough understanding of the information in this manual is the first step in enjoying your "Powerboard"™.

Model # PB-1



Model # PB-2



Preface:

Our "Powerboard"™ by exkate is engineered and manufactured with the most technically advanced production methods and quality control processes in our own factory. We inspect and test each "Powerboard"™ before shipment.

Table of Contents

<u>Contents</u>	<u>Page</u>
Preface	1
Important safety information	2
Model #PB-1 "Powerboard"™	3
Model #PB-2 "Powerboard"™	4
Maintaining your "Powerboard"™	5
Maintaining your "Powerboard"™	6
Diagram of the "Powerboard"™	7

New "Powerboard"™ electric skateboard

1. Inspect out carton for damages and if any report to your freight carrier or dealer.
2. Open carton and inspect for internal damage, and if any report to our freight carrier or dealer.
3. Remove your new "Powerboard"™, remote controller and charger. Congratulations !!!

Important safety information

READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO OPERATE YOUR "POWERBOARD"!!

The combination of power and weight make the "Powerboard"™ a potentially hazardous device. Improper use can result in property damage, serious injury or death. Understanding all of its features is the key to safe riding.

Avoid uneven surfaces, potholes, surface cracks and obstacles. Always ride at a safe speed, maintaining full control over the vehicle at all times. Adult supervision is strongly recommended.

"POWERBOARD"™ SAFETY WARNING

This vehicle does not confirm to Federal Motor Vehicle Standards and is not intended for operation on public streets, roads or highways. Serious injury can result from unsafe operation of this vehicle. The operator can minimize these assumed risks by wearing safety equipment. Always check your state and local laws before using in public areas.

HELMETS, GOGGLES, APPROPRIATE FOOTWEAR, WRIST, KNEE AND ELBOW PROTECTION MUST BE WORN AT ALL TIMES. DO NOT OPERATE THE "POWERBOARD"™ IN TRAFFIC OR ON WET, FROZEN, OILY OR UNPAVED SURFACES.

OPERATION WARNING

- This product is designed for use by children ages 12 and up.
- **Model # PB-1 maximum weight 140 lbs.**
- **Model # PB-2 maximum weight 170 lbs.**
- This product should not be used without adult supervision.
- The "Powerboard"™ is designed for one rider only.
- Do not operate the "Powerboard"™ in crowded areas.
- The user of this product and the adult supervision assumes all risks associated with it use. To minimize these assumed risks, the user **MUST WEAR SAFTY HELMET, GOGGLES, APPROPRIATE FOOTWEAR, KNEE AND ELBOW PROTECTION AT ALL TIMES.**
- **NOTE: IF YOU DO NOT UNDERSTAND ANY AND ALL PARTS OF THESE SAFTY OPERATION INFORMATION, PLEASE CALL PANAMASIA SERVICE DEPARTMENT TO CLARIFY ALL POINTS IN THIS OWNERS MANUAL.**

Panamasia Service Department # 1(626) 968-4770

RIDING INSTRUCTIONS

Before riding your new "Powerboard"™ by "exkate"™, please be sure you fully understand how the model you have purchased operates.

Model # PB-1 "Powerboard"™

Hand Controller

1. The wireless key chain style hand controller has two buttons, both buttons work to power on and run. (use the right or left button which is most comfortable for you)
DO NOT HOLD BUTTON DOWN BEFORE YOU STEP ON TO YOUR BOARD.
2. Push either button down to start going, your power board will start slowly and build speed has you hold and keep the button depressed.
3. To decrease speed let button up this will slowly decrease your speed. To go faster, hold button down and your maximum speed is 6 to 8 mph. Depending on your weight and riding surface.
4. Know your limits, start slowly and keep your speed down until you have mastered controlling your "Powerboard"™.
5. Read the section titled "Riding instructions" before attending to ride.

Hand controller battery

The hand controller use a standard 27-A 12 Volt battery. (replacement battery can be purchase at any electronic retail stores) Note: if you notice that you're unable to communicate with your board, the battery should be replaced.

Power switch

The "Powerboard"™ is equipped with an "ON/OFF" switch on the side of the battery box on your board. This must be turned on before turning your hand control on to start the board, turn switch to "ON" position. Make sure to turn the board to "OFF" position when not in use. Leaving the switch at "ON" position when the board not in use, may damage the electronics and shorten the battery life.

Adjustments

Under normal use the "Powerboard"™ requires no adjustments. How ever, it is prudent to occasionally check all fasteners for tightness. The bushings in the trucks are specially formulated to provide shock absorption and positive steering control for the "Powerboard"™.

Model # PB-2 "Powerboard"™

THROTTLE/BRAKE

The throttle/brake lever is a variable control that regulates the speed of the board. By GRADUALLY pulling back on the lever, the board will gradually increase in speed. Releasing the lever will return it to the neutral position. GRADUALLY pushing forward on the lever will slowly increase braking force.

THROTTLE/BRAKE SAFETY WARNING

The "Powerboard"™ is a powerful device. If you step on and pull the throttle to full power. You will likely BE THROWN BACKWARD FROM THE BOARD. If traveling at high speed, pushing the lever forward quickly (engaging the brake) to full braking will likely THROW YOU FORWARD FROM THE BOARD. KNOW YOUR LIMITS AND USE THE THROTTLE/BRAKE CONTROL ACCORDINGLY

HAND CONTROLLER BATTERY

The hand controller uses a standard 9-volt alkaline battery. Switching the controller off when not in use will maximize battery life. If you notice unreliable communication with the board, the battery should be replaced.

POWER SWITCH

The "Powerboard"™ is equipped with an "ON/OFF" switch on the side of the battery box. To start the "Powerboard"™, turn the switch to the "ON" position. Make sure to turn the board to "OFF" when not in use. Leaving the switch in the "ON" position when the board is not in use may damage the electronics and batteries.

ADJUSTMENTS

Under normal use, the "Powerboard"™ requires no adjustments. However, it is prudent to occasionally check all fasteners for tightness. The bushing in the trucks are specially formulated to provide shock absorption and positive steering control for the "Powerboard"™.

RIDING YOUR "POWERBOARD"™

BEFORE YOU RIDE

Be sure that you are thoroughly familiar with all of the features and controls discussed in the previous section. All safety equipment should be worn, even when riding short distances or durations. Make sure that the area in which you plan to ride is appropriate (paved, level, free of obstacles, clear of power lines and radio antennas, and not crowded).

"POWERBOARD"™ SAFETY WARNING

You are about to climb aboard a powerful motorized skateboard. If you have doubts about your ability to ride, DON'T. Know your limits and ride within them. Even if you are an expert skateboarder, give yourself sometime to learn the "Powerboard"™ and ride conservatively, especially the first few times. Remember, the "Powerboard"™ is silent, and others will not hear you coming. Give yourself adequate time and distance to stop.

RIDING INSTRUCTIONS

Make sure the switch in the "Powerboard"™ is "ON" and the switch on the hand controller is "OFF". Step onto the "Powerboard"™ and assume your normal skateboard stance (leaning forward, knees slightly bent). Keeping your finger off the throttle/brake, turn the controller switch to the "ON" position.

Uphill and Downhill Riding

The "Powerboard"™, within reason, is far superior to an ordinary skateboard in uphill and downhill riding. On an uphill run, you will find you need to keep your weight over the rear wheels to keep them from slipping. If the hill is too steep, the board will bog down and continued use may overheat the motor. **COMMON SENSE SHOULD PREVENT THIS PROBLEM.**

On downhill runs, the motor remains engaged at all times, providing some drag. You also have full braking control, so long-distance downhill runs are possible. Frequent minor speed corrections with the brakes are preferable to letting your speed build up and then braking suddenly. **KNOW YOUR LIMITS AND RIDE WITHIN THEM.**

"POWERBOARD"™ BRAKING WARNING

NEVER RIDE DOWN HILL THAT ARE TOO STEEP TO MAINTAIN SAFE CONTROL OF YOUR "POWERBOARD"™. NOTE* SP-2 ONLY. NEVER RIDE DOWN HILLS THAT REQUIRE CONSTANT BRAKING, AS THIS WILL DAMAGE ELECTRONICS

Turning Your "Powerboard"™

The "Powerboard"™ turns like any other skateboard. Apply pressure to the deck with your heels and toes and the board will turn in that direction. More pressure will result in tighter turns. In the hands of an experienced rider, the "Powerboard"™ is capable of making a 10' radius 180° turn.

MAINTAINING YOUR "POWERBOARD"™

MAINTENANCE WARNING

FAILURE TO FOLLOW MAINTENANCE INSTRUCTIONS AND GUIDELINES WILL VOID YOUR WARRANTY. NEVER DISASSEMBLE BATTERY BOXES OR ELECTRONICS. DOING SO WILL VOID YOUR WARRANTY.

Routine Maintenance

Under normal use, your "Powerboard"™ will require very little routine maintenance. Approximately once a month, check all "Powerboard"™ fasteners for tightness. This will require an allen wrench and a different sized sockets or open-ended wrenches. Your "Powerboard"™ is not waterproof and should not be ridden in rain or wet areas to prevent electric damage. Always keep your board clean and free of moisture.

Drive wheel replacement

It is normal for the drive wheel to wear faster than other wheels on your "Powerboard"™. If you spin the wheel regularly due to over-acceleration (burn-outs), it will wear more quickly. **Drive Wheel Replacement** are available from Panamasia, Service Dept. see Parts List.

Drive belt replacement

Due to the superior design of the "Powerboard"™, the drive belt suffers very little wear. It is replaced along with the drive wheel as part of the Drive Wheel Replacement Kit. In the unlikely event that your drive belt breaks, a replacement can be ordered from Panamasia, Service Dept. see Parts List.

Wheel replacement

As with any skateboard, the wheels of the "Powerboard"™ will wear out with use. Replacement wheels, bearings and spacers are available from Panamasia, Service Dept. see Parts List.

Bushing Replacement

Although specially formulated for extremely long life, the bushings located in the trucks of your "Powerboard"™ will wear over time. It is recommended that they be replaced with the same special bushings that are standard equipment on the board. They are available from Panamasia, Service Dept. See parts list.

Battery Maintenance

The rechargeable batteries that power your "Powerboard"™ should last 2-3 years, if kept charged but will slowly decrease in capacity and eventually fail to hold a charge. To maintain maximum life, always keep your "Powerboard"™ charged, when storing for extended periods, plug in once a month to maintain charged. They are easily replaceable using the Battery Replacement Kit, which is available from Panamasia, Service Dept. See Parts List.

Repair Information

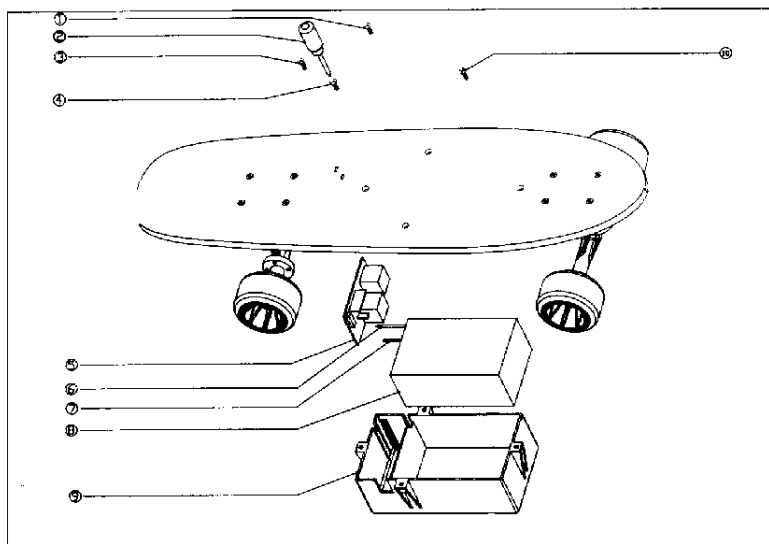
Many repairs that may be required for you "Powerboard"™ are covered in the Maintenance section of this guide. Should your "Powerboard"™ require repairs that are not covered under this section, contact Panamasia, Service Dept. with the nature of the problem and the serial number of your "Powerboard"™ for more information on how to obtain technical support or an authorized service center location. ☺

Warranty

Panamasia, Inc. warranties your "Powerboard"™ for 90 days from the date of original purchase. The warranty specially guards against any manufacturer's defects. The warranty DOES NOT COVER MALFUNCTIONS RESULTING FROM NEGLIGENCE, MISUSE, ABUSE, MODIFICATIONS TO THE DEVICE OR FAILURE TO FOLLOW ALL SAFETY AND USE WARNINGS CONTAINED HEREIN.

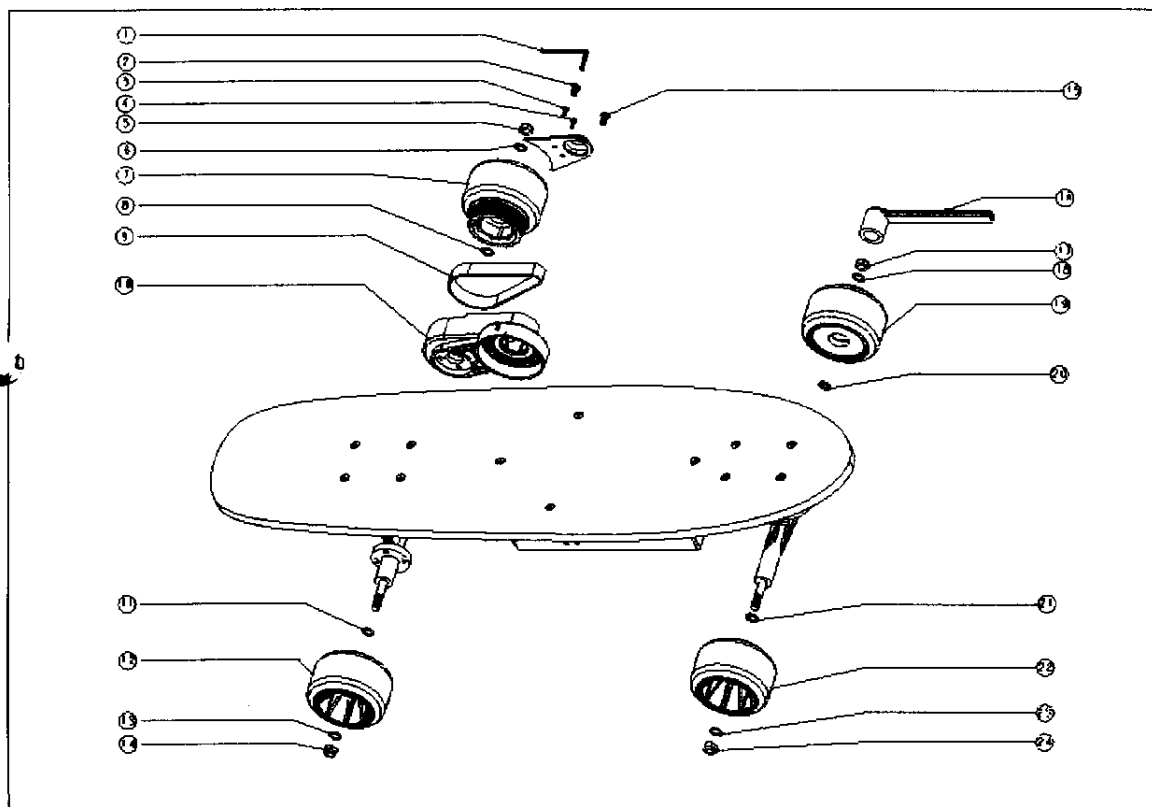
Warranty is limited to the "Powerboard"™ and Panamasia, inc. assumes NO LIABILITY for any other components. This warranty gives you specific rights. You may have other rights, which vary from state to state.

Replacing the batteries



1. Screw
2. Allen wrench
3. Screw
4. Screw
5. PCB board
6. Positive cable (red)
7. Negative cable (black)
8. Battery (batteries)
9. Battery box
10. Screw

Replacing the belt and wheels



- | | |
|---------------------|---------------------|
| 1.Allen wrench | 13.Washer |
| 2.Screw | 14.Bolt |
| 3.Screw | 15.Screw |
| 4.Screw | 16.Wrench |
| 5.Bolt | 17.Bolt |
| 6.Washer | 18.Washer |
| 7.Rear wheel | 19.Front wheel |
| 8.Washer | 20.Washer |
| 9.Belt | 21.Washer |
| 10.Gear box | 22.Front wheel |
| 11.Washer | 23.Washer |
| 12.Rear wheel | 24.Bolt |