

# Remote Controlled Electric Skateboard

## OWNERS MANUAL

### **Instruction to the Remote Controlled Electric Skateboard**

Dear Customer:

Congratulations and thank you for purchasing Electric Skateboard. For the greatest pleasure and maximum use of your Electric Skateboard please read this manual thoroughly before your first test ride. With proper use, your Electric Skateboard will provide safe, trouble-free service in a long term. Thorough understanding of the information in this manual is the first step in safely enjoying your Electric Skateboard.



Preface:

Your Electric Skateboard is engineered and manufactured with the most technologically advanced production methods and quality control processes; we inspect and test each Electric Skateboard before shipment.

## Tables of Contents

<b>Contents</b>	<b>Pages</b>
Preface	1
Important safety information	2
Riding instructions	3
Maintaining your electric skateboard	4
Parts diagram of electric skateboard	5

1. Inspect outer carton for damages and report any to your freight carrier or dealer.
2. Open carton and inspect for internal damage, report any to your freight carrier or dealer.
3. Remove your new Electric Skateboard, remote controller and charger.

### **Important Safety information**

#### **READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO OPERATE YOUR ELECTRIC SKATEBOARD**

The combination of power and weight make the Electric Skateboard a potentially hazardous device. Improper use can result in probable damage, serious injury or even death. Understanding all of its features and controls 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 board at all times. Adult supervision is strongly recommended.

NOT FOR CHILDREN UNDER 14.

#### **Electric Skateboard SAFETY WARNING**

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

HELMETS, PROTECTIVE EYEWEAR, APPROPRIATE FOOTWEAR, WRIST, KNEE, AND ELBOW PROTECTION MUST BE WORN AT ALL TIMES. DO NOT OPERATE THE ELECTRIC SKATEBOARD IN TRAFFIC OR ON WET, FROZEN, AND ONLY OR UNPAVED SURFACES OR NEAR PEOPLE OR OTHER VEHICLES.

#### OPERATION WARNING

- This product is designed for use by children ages 14 and up.
- Electric Skateboard maximum recommended weight for the rider is 250lbs.
- This product should not be used without adult supervision.
- The Electric Skateboard is designed for one rider only.
- Be aware that radio signal interference could occur in your riding area.
- The user of this product and the adult supervisor assumes all risks associated with its use. To minimize these assumed risks, the user **MUST WEAR SAFETY HELMET, PROTECTIVE EYEWEAR, APPROPRIATE FOOTWEAR, KNEE AND ELBOW PROTECTION AT ALL TIMES.**

- Do not operate your Electric Skateboard in crowded areas.

NOTE:IF YOU DO NOT UNDERSTAND ANY AND ALL PARTS OF THIS SAFETY OPERATION INFORMATION,PLEASE CALL SKATEBOARD WARRANTY SERVICE TO CLARIFY ALL POINTS IN THIS OWNER’S MANUAL.

### RIDING INSTRUCTIONS

Before riding your new Electric Skateboard,please be sure you fully understand how the model you have purchased operates.

#### **IMPORTANT**

The Electric Skateboard wireless remote uses a unique close proximity low frequency radio signal that minimizes the possibility of signal interference.Signal interference occur with other Electric Skateboard using the same frequency,high power lines,cell phones or other signal emitting devices.Use caution and check your ride area for signal interference before use.

## **ELECTRIC SKATEBOARD**

### **Power Hand Grip Controller**

1. The Power Hand Grip Controller regulates the speed of the board.Pulling back on the lever,the board will cause acceleration.Releasing the lever will return it to the neutral position.Pushing forward on the lever will initiate braking force.
2. After standing on board,pull the power lever.Your Electric Skateboard will slowly and build speed as you hold the lever back.
3. To decrease speed,let the lever go.This will slowly decrease your speed.To slow quicker,push the lever forward to brake.Maximum speed and stopping distance depends on your weight and riding surface.
4. Know your limits.Start slowly and keep your speed down until you have mastered controlling your Electric Skateboard.
5. Read the section titled:”Riding your Electric Skateboard before attempting to ride.”

#### **THROTTLE/BRAKE SAFETY WARNING**

The Electric Skateboard is a powerful device,if you step on and pull the power lever,you could be quickly(engaging the brake)could THROW YOU FORWARD FROM THE BOARD.KNOW YOUR LIMITS AND USE THE POWER HAND GRIP CONTRROLLER ACCORDINGLY.THESE IS A MOMENTARY TIME LAG FOR POWER AND BRAKE ACTIVATION.

### **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 Electric Skateboard is equipped with an ‘ON/OFF’ switch on the side of the battery box on your board.To start the Electric Skateboard,turn the switch to the ‘ON’ position.Make sure to turn the board to the ‘OFF’ position when not in use.Leaving the switch in the ‘ON position when not in use may damage the electronics and battery.

## Adjustments

Under normal use the Electric Skateboard requires no adjustments. However, it is prudent to check all fasteners for tightness before every use. The bushings in the trucks are specially formulated to provide shock absorption and positive steering control for the Electric Skateboard

## **RIDING YOUR ELECTRIC SKATEBOARD**

### **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 for short distances or durations. Make sure that the area in which you plan to ride is paved, level, free of obstacles, clear of power lines, radio antennas, and not crowded.

#### **SAFETY WARNING**

You are about to climb aboard a powerful motorized skateboard. If you have doubts about your ability to ride, **DO NOT RIDE IT!** Know your limits and ride within them. Even if you are an expert skateboarder, give yourself time to learn the Electric board and ride conservatively, especially the first few times. Remember, the Electric Skateboard is silent and others will not hear you coming. Give yourself adequate time to distance to stop and avoid obstacles and others.

### **GETTING STARTED**

Make sure the switch to the Electric Skateboard is 'ON' and the switch on the hand controller is 'OFF'. Step on to the skateboard and assume a normal skateboard stance (leaning forward, knees slightly bent.) Keeping your fingers off the power lever, turn the switch on the top of the controller to the 'ON' position. Pull the lever for a moment to start the board. Start off slowly by pulling the lever back until you become comfortable and in control of the speed.

### **Uphill and Downhill Riding**

The Electric Skateboard is far superior to an ordinary skateboard in uphill and downhill riding. On and uphill run, you will find that 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. Stop, step off and walk the steep hills. This board will take lighter weight riders up hills faster and will slow down as the rider's weight increases.

On downhill runs, the motor remains engaged at all times. Providing some drag to slow you down. You also have full braking control. 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!**

## **SPEED**

NEVER RIDE DOWN HILLS THAT ARE TOO STEEP.TO MAINTAIN SAFE CONTROL OF YOUR ELECTRIC SKATEBOARD NEVER RIDE DOWN HILLS THAT REQUIRE CONSTANT BRAKING,AS IT CAN DAMAGE THE BOARD'S ELECTRONICS.

### **Turning your Electric Skateboard**

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

Do not try to make turns at full speed.**SLOW DOWN!**

## **MAINTAINING YOUR ELECTRIC SKATEBOARD**

### **MAINTENANCE WARNING**

FAILURE TO FOLLOW MAINTENANCE INSTRUCTIONS AND GUIDELINES WILL VOID YOUR WARRANTY.DO NOT OPEN BATTERY BOX!DOING SO WILL VOID YOUR WARRANTY.

### **Routine Maintenance**

Under normal use,your Electric Skateboard will require very little routine maintenance.Check all fasteners for tightness before every use,especially if used on irregular surfaces.This will require an allen wrench and a few different sized sockets or open-ended wrenhes.Your Electric Skateboard is not waterproof and must not be ridden in the rain,mud,or other wet areas to prevent electrical damage.Always keep your board clean and free of moisture.

### **Drive Wheel Replacement**

It is normal for the drive wheel to wear faster than the other wheels.DRIVE WHEEL REPLACEMENTS are available from Manufacturer or Dealer.

### **Drive Belt Replacement**

Due to the superior design of the Electric Skateboard the drive belt will last a long time,but eventually will wear out.Replacements can be ordered from Manufacturer or Dealer.

### **Wheel Replacement**

As with any skateboard,the wheels of the Electric Skateboard will wear out with use.Replacement wheels,bearings and spacers are available from Manufacturer or Dealer.

### **Rubber Bushing Replacement**

Although specially formulated for extremely long life,the rubber bushings located in the trucks of your Electric Skateboard 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 through Manufacturer or Dealer.

### **Battery Maintenance**

The rechargeable battery that powers your Electric Skateboard should last 1-2 years if kept properly charged, but will slowly decrease in capacity and eventually fail to hold a charge. To maintain maximum life, always keep your Electric Skateboard charged when storing for extended periods of time. Plug in once a month to maintain a charge. They are easily replaceable using the Battery Replacement Kit, which is available from Manufacturer or Dealer. See diagram below. **ALWAYS STORE YOUR ELECTRIC SKATEBOARD ON THE WHEELS LEVER-NOT STANDING ON END.**

### **Repair Information**

Many repairs that may be required for your Electric Skateboard are covered in the maintenance section of this guide. Should your Electric Skateboard require repairs that are not covered under this section, contact Manufacturer or Dealer with the nature of the problem of Electric Skateboard.

For more information on how to obtain technical support or an authorized service center location contact Skateboard Manufacturer or Dealer.

Manufacturer warranties your Electric Skateboard for 30 days from the date of original purchase against manufacturer's defects in materials and workmanship. The warranty DOES NOT COVER MALFUNCTIONS RESULTING FROM NEGLIGENCE, MISUSE, ABUSE, and MODIFICATIONS TO THE BOARD OR FAILURE TO FOLLOW ALL SAFETY AND USE WARNINGS CONTAINED HEREIN.

Warranty is limited to the Electric Skateboard. Manufacturer assumes NO LIABILITY for any other components.

## Parts Diagram of the Raptor:

1.Bolt	31.Snap link
2.Plate	32.Bolt
3.Washer	33.Screw
4.Truck base	34.Nut
5.Washer	35.Snap link
6.Battery	36.Washer
7.Pull rod	37.Nut
8.Loop	38.Bearing
9.Spring	39.Brush holder
10.Battery case	40.Brush
11.Block	41.Screw
12.Receiver	42.Rotor
13.Plastic case	43.Bolt
14.Screw	44.Tyre
15.Nut	45.Screw
16.Washer	46.Plate
17.Spaer	47.Spacer
18.Tyre	48.Gear
19.Bearing	49.Belt
20.Bushing	50.Screw
21.Axle	51.Belt housing
22.Washer	52.Axle
23.Nut	53.Screw
24.Socket	54.Motor cover
25.Transom	55.Bearing
26.Control case	56.Covering
27.Screw	57.Cap
28.On/off	58.Battery
29.Controller	59.Emitter
30.Nut	

