

### Altered® Electric Skateboard Warranty

The warranty covers materials and workmanship. Altered® Electric Skateboards (Chase Boards, LLC) warrants to the original owner that our electric skateboard shall be free from all defects in material or workmanship for 180 days from the original date of purchase when used for the purpose intended under normal conditions. All other obligations and conditions or liabilities, including obligations for consequential damages, are hereby excluded. This warranty gives you specific rights and you may also have other rights, which vary by state.

If your board should prove defective, write to or call Altered® / Exkate® giving a description of the board and the problem. When Altered® / Exkate® receives your notification, and the board is determined to be defective, parts will be sent at no charge, or authorization to return the board will be given. Shipping is not covered under warranty and is the responsibility of the customer. The defective board will then be repaired or replaced. We may elect to replace the entire unit, at no extra cost to you, with the same model or similar model rather than repair it. Any refund would be only at the option of the dealer where the skateboard was purchased. Altered® / Exkate® is not involved in any such negotiations.

THE ALTERED® ELECTRIC SKATEBOARD IS NOT A TOY. THE BOARD IS INTENDED FOR USE ON PAVED SURFACES OR CONCRETE SIDEWALKS. OFF-ROAD VERSIONS MAY ALSO BE RIDDEN ON HARD-PACKED PATHS OR ROADS. THE BOARD IS NOT TO BE OPERATED ON GRASS, THROUGH WATER, THROUGH DEEP POTHOLES OR OFF CURBS. THE BOARD IS TO BE OPERATED ONLY ON SMOOTH, FLAT, DRY SURFACES.

ITEMS THAT NATURALLY WEAR OUT WITH USE ARE NOT COVERED UNDER WARRANTY, INCLUDING BELTS, WHEELS AND BATTERIES.

This warranty does not apply to any electric skateboard that has been subject to abuse, misuse, negligence, or accident. If you return your board for warranty service and it shows signs of abuse, you will be charged for labor plus parts to repair the board.

Defects caused by tampering, unauthorized alterations or repairs are not covered by this warranty.

YOUR INSURANCE POLICY MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THIS ELECTRIC SKATEBOARD. TO DETERMINE IF COVERAGE IS PROVIDED, YOU SHOULD CONTACT YOUR INSURANCE COMPANY OR AGENT.

For warranty services contact our customer service department to obtain a Return Merchandise Authorization (RMA) form, which must be filled out and returned prior to returning your board. Boards or parts returned without proper documentation may be delayed service or denied warranty coverage. Warranty return shipping is the responsibility of the customer. International customers are responsible for applicable duty and taxes.

ALL UNAUTHORIZED RETURNS WILL BE REFUSED.

# ALTERED®

electric skateboards

## PRO-LINE 600 V2



**& ALL 600 WATT V2 MODELS**

### OWNER MANUAL

To get the best ride and maximum use out of your electric skateboard please read this manual thoroughly before your first ride. With proper use your Altered® Electric Skateboard will provide years of fun, trouble-free riding.

[www.AlteredUSA.com](http://www.AlteredUSA.com)

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**Read All Instructions Carefully Before Riding the Board!**

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### Carton Contents

1 Altered® Pro-Line 600 V2 wireless electric skateboard, fully assembled	1 Owner Manual
1 hand-held wireless remote control & 4 AAA batteries	1 "Stop" Quick Reference Yellow Sheet
	1 battery charger

### Altered® Pro-Line 600 V2 Specifications

(Nov 2011)

- Rider Capacity: 240 lbs / 109 kg
- Range: up to 10 mi / 16 km on flat surfaces
- Acceleration: 0 to 19 mph / 30 kph in 3 seconds
- Braking: 19 mph / 30 kph to 0 in 40 ft / 12.2 m
- Turning radius: 8 ft / 2.5m
- Exkate patented torsion trucks
- Dimensions: 41.3" x 10.5" / 104.5 cm x 26.5 cm
- Controller: Wireless handheld remote for smooth, variable acceleration & braking, including 3-position switch for adjustable speed range settings
- Net weight: 44 lbs / 20 kg
- Motor: 36V DC / 600 Watt
- Batteries: 12V 9.5 Amp / 3 in series
- Charger: Input – 110-120 VAC Output – 36V DC / 2 amp

## Troubleshooting

Issue	Problem / Cause	Solution
Skateboard does not start up	Skateboard controller is not turned on.	Turn on.
	The indicator light on the charger is red.	Recharge the skateboard until the light turns green. If light stays red, batteries are dead and cannot be recharged, or the charger is broken and needs to be replaced.
	Board and Remote do not link properly.	Turn board and remote off. Turn board on, turn remote on, wait 5 seconds to establish connection. If board still does not link, re-"pair" the units according to instructions at <a href="http://www.AlteredElectricSkateboards.com/re-pair.htm">www.AlteredElectricSkateboards.com/re-pair.htm</a>
	No beep heard when turning on controller; LED does not light.	Batteries are not properly installed or are out of power on remote. Reinstall or change batteries.
Skateboard stops automatically after running for some time.	Overheat / overload protection of motor, usually due to riding too many hills or using too much brake.	Cool motor.
	Low voltage protection of controller.	Change or recharge battery.
Intermittent power while riding or "Beep" sound.	Damaged remote from fall or abuse.	Contact Exkate Service department.
	Low battery on board ("Beep...Beep...Beep...")	Recharge the battery. (Batteries may need replacement after 80-150 recharge cycles.)
	Low battery on remote ("BeepBeep...BeepBeep...")	Replace with 4 AAA batteries. (If unit does not turn on after replacement, reverse the order of the batteries.)
Unable to charge skateboard.	No power, or charger has overheated or charger does not light.	Replace charger.
	Board is not charged, but charger always reads "green" when plugged in.	Bad battery cell(s) or loose connection. Check connections or replace bad cells
Strong vibration and /or loud, high-pitched noise when running.	Belt is loose or over- flexed.	Adjust the belt, fasten screw and nut, and adjust back nut.
	Bearing is damaged.	Change bearing.
Motor runs, but drive wheel does not turn.	Drive belt is broken.	Replace drive belt. See web site for complete instructions: <a href="http://www.AlteredElectricSkateboards.com/belt_install.htm">www.AlteredElectricSkateboards.com/belt_install.htm</a>

For other common issues visit Customer Support on our website:

<http://www.AlteredElectricSkateboards.com/customersupport.htm>

**Always Wear a Helmet & Protective Gear!**

Protected by US Patents: USPTO No.5,893,425 and USPTO No.5,853,182

## REGULAR MAINTENANCE REQUIREMENTS

Under normal use, your board will require only routine maintenance as described below.

### MAINTENANCE WARNING

FAILURE TO FOLLOW MAINTENANCE INSTRUCTIONS AND GUIDELINES WILL VOID YOUR WARRANTY. DO NOT OPEN THE BATTERY BOX, MOTOR CONTROL BOX ASSEMBLY OR MOTOR. DOING SO WILL VOID YOUR WARRANTY. YOUR ALTERED® 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.

### Tighten Fittings – BUT DON'T OVERTIGHTEN!

Vibrations from normal use can cause some of the external bolt and screw fittings to loosen over time. Check all fasteners for tightness before every use, especially if used on rough surfaces that cause vibration. This will require an allen wrench and a few different sized sockets or open-ended wrenches. Check and tighten all screws and nuts after every 4 to 5 hours of riding. Do not over-tighten as stripping can result. Snug is tight enough.

### Keep the Board Dry

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 dry.

### Trucks & Bushings Are NOT Adjustable (unlike regular skateboards)

The patented Exkate trucks are not like conventional skateboard trucks. **TIGHTENING THE TRUCKS DOES NOT CHANGE THE STIFFNESS OR TURNING RADIUS. DO NOT ADJUST THE TRUCK'S KINGPIN BOLT OR YOU CAN SPLIT THE BUSHING!** The trucks and bushings are factory preset and should not be adjusted. The bushings are specially formulated to absorb shock and provide positive steering control. Although specially formulated for extremely long life, the bushings located in the trucks of your board will wear over time. Replace them with the same special bushings that are standard equipment on the board. They are available through [www.AlteredUSA.com](http://www.AlteredUSA.com) or your local dealer.

### Drive Wheel

The drive wheel will wear considerably more than the other three wheels. If you start noticing that your board is grinding, you need to replace the drive wheel. Contact [www.AlteredUSA.com](http://www.AlteredUSA.com) or your local dealer to order replacement wheels and other parts.

### Battery Maintenance

The rechargeable battery powering your Altered® board will normally last 1-2 years (1000 to 1500 miles of riding) if kept properly charged, but will slowly decrease in capacity and eventually fail to hold a charge. To maintain maximum life, always keep your batteries charged when storing for extended periods of time. Charge your board at least once a month to maintain battery life. Recharge your board even after short rides to maintain healthy batteries. Order replacement batteries from [www.AlteredUSA.com](http://www.AlteredUSA.com) or your dealer.

### Drive Belt

Drive belts will last a long time, but eventually will wear out. Hard starts and stops and heavier riders accelerate drive belt wear. Replacements can be ordered from [www.AlteredUSA.com](http://www.AlteredUSA.com) or your local dealer.

**ALWAYS ride within your limits and comfort zone and NEVER ride without a helmet and protective gear!**

HAVE FUN & BE SAFE!

[www.AlteredUSA.com](http://www.AlteredUSA.com) ♦ [www.Exkate.com](http://www.Exkate.com)

## ALTERED® SAFETY WARNINGS READ CAREFULLY BEFORE RIDING THE BOARD!

**THIS ELECTRIC SKATEBOARD IS NOT A TOY.** Skateboarding is a popular recreational activity. However, as with most sports there are certain risks and dangers involved in skateboarding and action sports skating activities, including skating itself, riding, assisting, and observing. Skateboarding is regulated by state and local laws, which vary by location. Local laws should be consulted for specific requirements in your area. **WEAR A HELMET & PROTECTIVE GEAR AT ALL TIMES.**

The combination of power and weight make your Altered® board 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.



**WARNING!** Any person who participates in or assists in skateboarding assumes the known and unknown inherent risks in skateboarding activities and is legally responsible for all damages, injury, or death to himself or herself or other persons or property which result from these activities.

**As a rider or active skateboarding spectator you are responsible** for acting within the limits of your ability and maintaining control of yourself and the equipment you use. Refrain from acting in any manner which may cause death or injury to yourself or others!

IF YOU DO NOT UNDERSTAND ANY AND ALL PARTS OF THIS SAFETY OPERATION INFORMATION, PLEASE CALL ALTERED®/EXKATE® TO CLARIFY ALL POINTS IN THIS OWNER MANUAL:  
800-214-3595



**WARNING!** WEAR A HELMET AND PROTECTIVE SKATEBOARD RIDING GEAR AT ALL TIMES! This includes elbow and kneepads, protective eyewear, long pants and long shirts/outerwear protection.

- **THE ALTERED® PRO-LINE 600 IS DESIGNED FOR USE BY THOSE 16 AND OLDER AND SHOULD NOT BE USED WITHOUT ADULT SUPERVISION.** Maximum recommended weight for the rider is 240 lbs / 109 kg. This board should be operated by only one rider at a time.
- Avoid uneven surfaces, potholes, surface cracks and obstacles. Always ride at a safe speed, maintaining full control over the board at all times. Know your limits and ride within them.
- This board does not conform 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 motor-powered board. **The operator can minimize these assumed risks by wearing safety equipment.** Always check your state and local laws before using in public areas.
- **DO NOT OPERATE THE ELECTRIC SKATEBOARD IN TRAFFIC OR ON WET, FROZEN, UNEVEN OR OILY SURFACES, OR NEAR PEOPLE OR OTHER VEHICLES.**
- The user of this product and the adult supervisor assumes all risks associated with its use.
- Do not operate in crowded areas.

**ALWAYS ride within your limits and comfort zone and NEVER ride without a helmet and protective gear!**

HAVE FUN & BE SAFE!

[www.AlteredUSA.com](http://www.AlteredUSA.com) ♦ [www.Exkate.com](http://www.Exkate.com)

## OPERATION

### Preparation

Inspect outer carton and the board for any shipping damage. Report any damage to your freight carrier or dealer. Remove your new board, remote control and charger. **Be sure that you are thoroughly familiar with all of the features and controls explained in this manual before you ride.**

Wear a helmet and protective gear at all times when on the board – even for short distances or durations!  
Make sure the riding area is paved, level, free of obstacles, and is not crowded.

### Charging the Battery

DO NOT charge before first use. Ride the board until the low battery warning begins, and then fully charge your board. A full charging cycle can take 4 to 6 hours. A green indicator light on the charger means the battery is fully charged. A steady red or flashing red indicator light means the charger is charging the battery. Charge until the light turns a steady green. **(Monitor the first recharge cycle and DO NOT charge the first time longer than 6 hours, even if the LED light remains red.)** After the first charging cycle, it is not necessary to wear the batteries down all the way. Always store your board fully charged.

### Adjust the Board's Speed-Acceleration Performance (if desired)

Your board has 3 adjustable speed/acceleration ranges, with the factory preset middle position favored by most riders. To adjust the board's speed/acceleration performance, turn off the wireless remote and remove the battery cover from the base of the remote control. Set the slide switch according to these guidelines:

**Middle Position = Full speed, with controlled acceleration –**  
recommended for most riders. this factory preset setting offers *full throttle acceleration* but will accelerate more *gradually* – to keep a rider from being propelled off the back of the board from sudden trigger squeezes.

**Far Left Position = Full speed, with full throttle control –**  
recommended for only the *most experienced riders* this setting offers acceleration in direct response to trigger pressure. Sudden trigger squeezes result in immediate acceleration – full, direct control so be careful!

**Far Right = Low speed maximum –**  
recommended for beginners and anyone who wants a slower, more controlled speed ride.

### Power On – Board Link & Lock-On to Remote Control

Each Altered Electric Skateboard comes "paired" from the factory: the board's motor control is programmed to link and "lock on" to the remote control unit that is shipped with the board. Each time you turn on your board and remote they will search to find each other and link/lock-on. Follow these steps to get started (one board at a time if in a group):

- 1) Turn the board's power switch to the "On" Position (see picture at right). The LED will turn green after 3 seconds and the board is ready to link to your remote control.
- 2) Next, turn on the remote control. The remote's red LED will flash briefly just one time followed by a single tone confirming remote is powered.
  - After 4 seconds the red LED on the remote will turn on and stay on showing the remote control is linked with the board.
  - The light on the skateboard will turn greenish-red once the remote is successfully linked. To conserve battery power, the LED on the remote control will begin to *flash* every 2-3 seconds. The remote is still continuously linked when the light is flashing.

Turning either unit off breaks the locked-on link and will require a repeat of these steps to restart. Once a board and remote are properly linked, signal interference from other boards and most other electronic sources is eliminated.

*Note: If your board does not link, you will need to re-"pair" the board with the remote. Follow the instructions offered on our website link to re-pair the units at [www.AlteredElectricSkateboards.com/re-pair.pdf](http://www.AlteredElectricSkateboards.com/re-pair.pdf).*

### Acceleration & Braking with Remote Control

The wireless remote control regulates the speed of the board through the trigger:

- Pulling the trigger **toward you** accelerates the board.
- Releasing the trigger returns it to the neutral position and allows you to coast. In neutral the belt drive-drive wheel will slow the board down slightly, even when coasting downhill.
- Pushing the trigger **away from you** engages braking. Braking begins very gradually to keep you from being thrown forward off the board, but the **last 25% of forward trigger movement** creates very strong braking for emergency stops. BE CAREFUL WHEN APPLYING FULL BRAKE. LOWER YOUR CENTER OF GRAVITY BY CROUCHING SLIGHTLY TO KEEP FROM BEING THROWN FORWARD OFF THE BOARD DURING HARD BRAKING.



**WARNING!** Your Altered® Electric Skateboard is powerful. **Never pull the trigger quickly or release it suddenly with no resistance.** If you step on and pull the trigger quickly, you will be thrown backward off the board. If traveling at high speed, pushing the trigger forward quickly (engaging the brake) could throw you forward, headfirst off the front of the board. Know your limits and accelerate and brake accordingly!

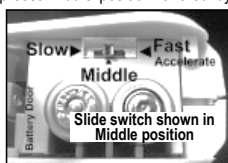
### Low Battery Power Warning Beeps & Auto Shut-Off

- If the remote controller begins making a series of **continuous double beeps** (beepbeep... beepbeep...beepbeep...), the remote unit is letting you know that its AAA batteries are running down and should be replaced. The remote can shut off when the batteries are low. This will cause the board's fail-safe braking mode to engage. Do not ride your board if the batteries in the remote are low.
- When the **36v battery pack** on the board gets low the remote controller will begin to sound **intermittent beeps** (beep...beep...beep...beep...) to let you know you're reaching the end of your ride time and that it's time to recharge. The faster the beeps, the lower your battery is.

*Note: Your board also has an **automatic shut-off to prolong battery life.** The **board turns off after about 5 minutes** of non-use. Your **remote turns off after 3 minutes** of non-use. Turn back on and follow the linking sequence to restart.*

### Riding Tips

- Pull the trigger very slowly until you start to feel the motor engage. If you get on the board and pull the trigger quickly the board will throw you off the back. Once the motor has engaged, pull the trigger more to increase speed.
- To decrease speed, slowly release the trigger. Letting the trigger return to its starting position puts the board in neutral.
- To brake, push the trigger forward. Braking power is relative to the speed you are traveling. If you are at full speed when you engage the brakes, more brake will be applied than if you were coasting in neutral. Maximum speed and stopping distance depend on your weight and the riding surface.
- If the remote control and board lose connection (connection range can be up to 125 feet), the motor will go into partial braking mode.
- Turn the board and remote control off when not in use to maximize battery life. If you notice unreliable communication with the board, replace the four AAA batteries in the remote control.
- On an uphill run keep your weight more 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. Lighter weight riders go up hills faster than heavier riders.
- On downhill runs when coasting, the drive belt-drive wheel combination provides slight resistance 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.
- Never ride down hills that are too steep to maintain safe control of your board. Never ride down hills that require constant braking, as this can damage the board's electronics.



Board Power Switch (left) & LED indicator (right)