



/ FANTOM 1

LIVE ELECTRIC • RIDE ALTERED



ELECTRIC SKATEBOARD OWNER'S MANUAL

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

DO NOT RETURN TO STORE!
QUESTIONS OR COMMENTS? CALL (866)-434-6067



06/15

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Carton Contents

- 1 - Altered® Fantom 1 wireless electric skateboard, fully assembled
- 1 - Hand-held wireless remote control & 4 AAA batteries
- 1 - Battery Charger
- 1 - Owners Manual

Altered® Fantom 1 Specifications

- Rider Capacity - 120 lbs / 54 kg
- Range - Up to 40 minutes of ride time
- Exkate® - Patented torsion trucks
- Batteries - 1 SLA 12V 7 AH
- Charger - Input : 110-240V AC | Output : 12V DC / 1 AMP

CONTROLLER

Wireless handheld remote for smooth, variable acceleration & braking, including 3-position switch for adjustable acceleration rate and speed range settings.



Safety & Warnings

WARNING: Riding an electric skateboard can be a dangerous activity. Certain conditions may cause components to fail without fault of the manufacturer. The skateboard can and is intended to move and it is therefore possible to lose control, fall off and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If such a thing does occur you can become seriously injured or die, even when using safety equipment and other safety precautions. RIDE AT YOUR OWN RISK AND ALWAYS USE COMMON SENSE.

This manual contains many warnings and cautions concerning the consequences of failing to inspect, maintain or properly use your electric skateboard. Since any incident can result in serious injury or even death, we do not repeat the warning of possible serious injury or death each time such a possibility is mentioned in this manual.

APPROPRIATE RIDING ATTIRE

Always wear proper protective equipment -

- Approved safety helmet (Helmet may be legally required by local law or regulation in your area.)
- Elbow pads and knee pads
- Long sleeved shirt & long pants
- Gloves
- Lace up shoes with rubber soles, never ride barefooted or in sandals, and insure that shoelaces are tied and kept out of the way of the wheels and drive system.

RIDER USE AND PARENTAL SUPERVISION

RIDER MUST NOT EXCEED THE WEIGHT LIMIT OF 120 pounds (54kg). Rider weight does not always mean a person's size is appropriate to fit or maintain control of the electric skateboard.

This manual contains extremely important safety information. It is your responsibility to completely review this information and make sure that all riders understand all warnings, cautions, instructions and safety topics and assure that all riders are able to safely and responsibly use this skateboard. Altered® advises that you periodically review and reinforce all information in this manual with all riders, and that you inspect and maintain your skateboard to insure their safety.

The recommended rider age is 8 years and older. Any rider that is unable to fit comfortably on the electric skateboard should never attempt to ride it. A parent's decision to allow their child to use electric skateboard should be based on the child's maturity, skill and their ability to follow rules.

Do not touch the motor on the skateboard when in use or directly after use as these parts can become extremely hot.

Keep this skateboard away from small children and remember that it is intended for use only by persons who are, at a minimum, completely competent and comfortable while operating this product.

Safety & Warnings Cont.

RIDING PRACTICES AND CONDITIONS

Check and obey any local laws or regulations which may affect the locations where the electric skateboard may be used.

Always ride defensively. Watch out for obstacles that could catch your wheel or force you to turn suddenly or lose control. Be careful to avoid pedestrians, other wheeled products (such as skaters, skateboards, scooters, bikes, etc.), children or animals who may enter your path. Always respect the rights and property of others.

Do not activate the speed control on the remote unless you are on the skateboard and in a safe, outdoor environment that is suitable for riding.

Do not attempt or perform stunts or tricks on this electric skateboard. This product is not made to withstand abuse from jumping, curb grinding or any other type of misuse or stunts.

Never allow more than one person at a time to ride the skateboard.

Never use near steps, water, or swimming pools.

Keep your fingers and other body parts away from the motor, steering system, wheels and all other moving components.

Never ride while using a cell phone or wearing headphones.

Never hitch on to or with another vehicle or pull anyone or anything.

Never immerse the skateboard in water; electrical and drive components could be damaged by water or create other possible unsafe conditions.

Ride only on flat, dry surfaces such as pavement or level ground without loose debris, such as sand, leaves, rocks or gravel. Water, mud, ice, bumpy, uneven, slick, or rough surfaces could impair traction and contribute to possible loss of control. Avoid excessive speeds that can occur from downhill rides which could cause loss of control.

Do not ride at night or in areas of limited visibility.

Do not ride indoors or on surfaces that could become damaged such as carpet or flooring.

Before each cycle of operation, the operator shall perform the preoperational checks specified by the manufacturer; that all guards and pads originally supplied by the manufacturer are in proper place and in serviceable condition.

That any and all axle guards, belt guards, or other covers or guards supplied by the manufacturer are in place and in serviceable condition.

Safety & Warnings Cont.

Persons with the following conditions shall be cautioned not to operate: Those with heart conditions, pregnant women, persons with head, back, or neck ailments, or prior surgeries to those areas of the body. Persons with any mental or physical conditions that may make them susceptible to injury or impair their physical dexterity or mental capabilities to recognize, understand, and perform all of the safety instructions and to be able to assume the hazards inherent in unit use.

Maximum operating speed is 10 MPH (16 KM/H).

Before each ride the following checks will need to be performed to the skateboard:

- Ensure that the brake system is functioning properly.
- That all components are properly secured and are functioning according to manufactures specifications.
- Components shall be maintained and repaired in accordance with the manufacturers authorized replacement parts with installation performed by dealers or other skilled individuals.

USING THE BATTERY CHARGER

The battery charger should be regularly examined for damage to the cord, plug, enclosure and other parts. In the event of such damage, if any is found, the skateboard should not be charged until the battery charger has been repaired or replaced.

Use only with the supplied recommended battery charger. Use of other chargers on this product can damage the product or charger. Do not use the supplied charger to charge any other products it is not intended for as damage may occur.

Always use caution when charging.

The battery charger is not a toy and should be operated by an adult.

Never operate battery charger near flammable materials or liquids.

Disconnect the battery charger and unplug from skateboard when not in use.

Do not exceed recommended charging time.

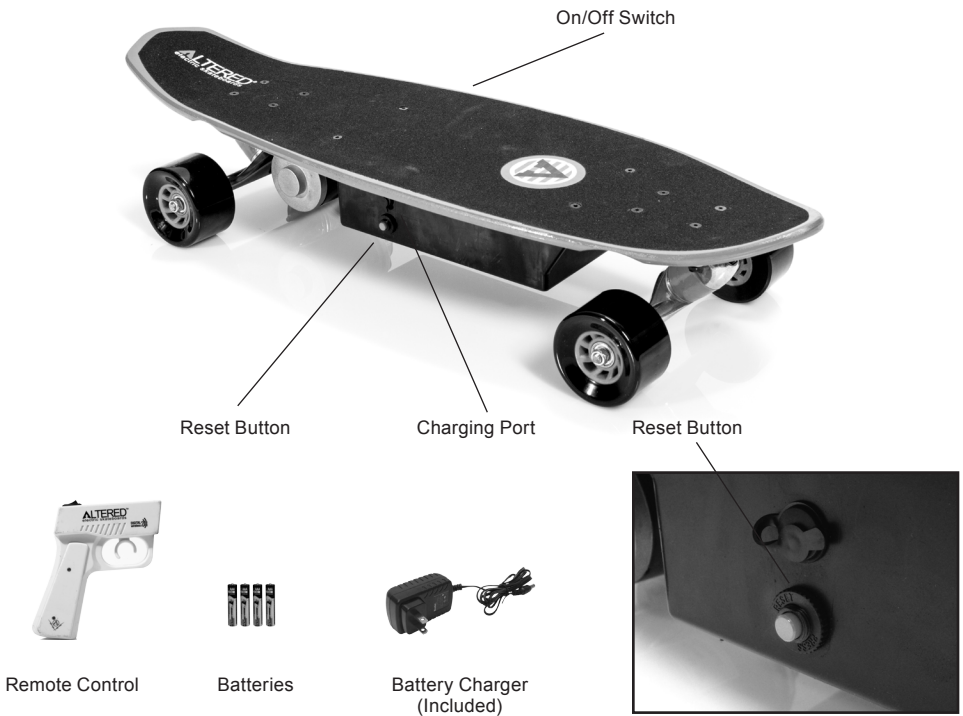
Always disconnect the battery charger from the skateboard prior to wiping down and cleaning with any liquid.

FAILURE TO HEED TO THE WARNINGS LISTED ABOVE INCREASES RISK OF POTENTIAL SERIOUS INJURY. USE THE APPROPRIATE CAUTION WHEN RIDING AND ALWAYS WEAR PROTECTIVE GEAR.

Before You Start

⚠ WARNING: Remove all packing and items from the display box. Make sure that the power switch is turned “OFF” before charging the skateboard.

- Allow up to 12 hours for the initial charge (see page 7 for charging information).



REMOTE CONTROL BATTERY INSTALLATION



Distinguish the + (positive) and – (negative) polarity carefully when inserting the four AAA batteries (1.5V/pc). Polarity markings are called out on the inside of the remote housing.



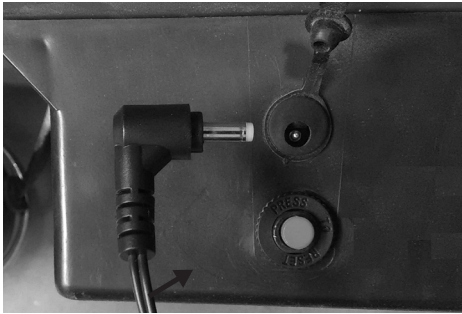
Before You Start Cont.

CHARGING THE BATTERY

WARNING: Battery must be fully charged before you ride your skateboard.

Required components- Battery Charger

- Initial battery charge time - 12 hours
- Recharges after initial charge - up to 10 hours
- Batteries need to be charged on a monthly basis when not in use to maximize performance and battery life.



LED Light
Indicator



1. Make sure power switch is in the OFF position before plugging in the charger. Insert charger into charging port on the right side of the battery box.

2. Plug the battery charger into a wall power outlet. The light on the charger housing should illuminate. Red LED light indicates battery is charging and a green LED light indicates battery is fully charged.

⚠ WARNING: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC INSTRUCTION

Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1- This device may not cause harmful interference.
- 2- This device must accept any interference received, including interference that may cause undesired operation. This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

Before You Start Cont.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures--

- Reorient or relocate the receiving antenna. --Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

⚠ WARNING: Do not use this product for the first time until you have charged the battery for at least 12 hours. Failure to follow these instructions may damage your product and void your warranty.

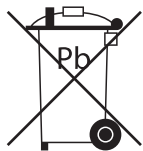
Note: Do not store the battery in temperatures above 70°F (21°C) or below 32°F (0°C).

Note: The charger has a small window with one LED light that indicates the charge status. Refer to the illustration on the charger unit for the actual “charging” and “charged” status indication. Your charger may get warm during use; this is normal and is no cause for concern.

Note: Batteries must be recharged at least once a month even when the scooter is not in use. Failure to do so may result in batteries that will no longer accept a charge.

BATTERY CARE & DISPOSAL

Do not store the battery in temperatures above 70°F (21°C) or below 32°F (0°C).



THIS SCOOTER CONTAINS SEALED LEAD ACID BATTERIES WHICH MUST BE RECYCLED IN ACCORDANCE TO YOUR LOCAL AND STATE LAWS. PLEASE CAREFULLY READ AND UNDERSTAND THE FOLLOWING DISPOSAL INSTRUCTIONS:

Disposal: This product contains sealed lead acid batteries which must be disposed or recycled in an environmentally safe manner. Do not dispose of the batteries in your household trash. Do not dispose of the batteries in a fire, this could cause the batteries to leak or explode. The incineration, disposal in landfill and or placing sealed lead acid batteries with household trash is prohibited by law in most areas. Return exhausted batteries to a state or federal approved lead acid battery recycler or check with your local retailer of vehicle batteries.

⚠ WARNING: Make sure to wash your hands after handling batteries as they contain lead compounds. Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.



Operating

PREPARATION

Be sure that you are thoroughly familiar with all of the features and controls explained in this manual before you ride.

ADJUST THE BOARD'S SPEED-ACCELERATION PERFORMANCE

Your board has 3 adjustable speed/acceleration ranges. Factory preset is the middle position favored by most riders. To change (1) Turn off the wireless remote. (2) Remove battery cover from base of remote. (3) Set the slide switch according to these guidelines.

-Middle Position - Full speed/controlled acceleration

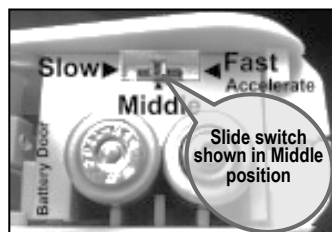
Recommended for most riders, this factory preset setting offers top speed but will accelerate more gradually to help keep a rider on the board during sudden trigger squeezes.

- Far Right Position - Full speed/full throttle control

Recommended for only the most experienced riders offers acceleration in direct response to trigger pressure. Sudden trigger squeezes result in immediate acceleration – full, direct control so be careful!

- Far Left Position - Low speed maximum

Recommended for beginners and anyone who wants a slower, more controlled speed.



POWER ON – BOARD LINKS & LOCKS-ON TO REMOTE CONTROL

Each board comes “paired” 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 - Press the board power switch (A) to the “On” Position. The LED will turn red after 3 seconds – the board is ready to link to your remote control.

2 - Turn on the remote control (B). The remote’s red LED will flash & tone confirming remote is powered.

- After 4 seconds remote LED turns on showing board is linked. (LED will begin to flash every 2-3 seconds, showing board is linked.)

- Skateboard LED Skateboard LED’s will display one green, one red light once properly linked.



Operating Cont.

Turning off either unit breaks the locked-on link. Repeat process to re-link. Once board and remote are 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.fantomskateboard.com

ACCELERATION & BRAKING WITH REMOTE CONTROL

The wireless remote control regulates the speed & braking 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 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.

BE CAREFUL WHEN APPLYING FULL BRAKE. IF BRAKING HARD, CROUCH SLIGHTLY TO KEEP FROM BEING THROWN FORWARD OFF THE BOARD.

 **WARNING!** Your Altered® Electric Skateboard is powerful. Never pull the trigger quickly or release it suddenly with no resistance or you can be thrown 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 & RESET BUTTON

- AAA Remote batteries are running low when remote controller begins making a series of **continuous double beeps** (“beepbeep... beepbeep...beepbeep...”). Replace or recharge the AAA batteries. 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.
- **Reset Button** - An excessive overload (steep incline or too heavy of a rider) could cause the motor to overheat and trip the reset button. If this occurs (skateboard suddenly stops running) wait a few seconds and push the reset button in to reset the circuit. Avoid repeatedly tripping the reset button.

 **WARNING!** Running or jumping onto skateboards can be dangerous! Never ride without the following protective gear: head protection, hand/wrist protection, knee protection, elbow protection!

Operating Cont.

RIDING TIPS

- **Trigger is sensitive!** 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. 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, away from you. 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 and gradually slow down.
- 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.
- Never ride down hills as you can lose control of your board.

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.

Regular Maintenance Requirements

UNDER NORMAL USE, YOUR BOARD WILL REQUIRE ONLY ROUTINE MAINTENANCE AS DESCRIBED BELOW.

MAINTENANCE WARNING

REGULAR MAINTENANCE ENHANCES THE SAFETY OF THE BOARD. FOLLOW MAINTENANCE INSTRUCTIONS TO REDUCE RISK OF MALFUNCTION AND INJURY. Different materials in each part of the board (metal, wood, polyurethane) require different maintenance as described below. **Before riding or anytime something does not feel right make the following checks.**

CHECK FITTINGS – BUT DON'T OVERTIGHTEN!

Self-locking nuts and other self-locking fittings may lose their effectiveness. Check all fasteners for tightness before every use, especially if used on rough surfaces that cause vibration. This will require an allen wrench and 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.

Regular Maintenance Requirements Cont.

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.

STEERING - TRUCKS & BUSHINGS ARE NOT ADJUSTABLE

Altered boards do not turn like conventional skateboards – Altered / 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. **If the truck is too loose or the bushing appears worn or cracked, replace them with the same special bushings that are standard equipment on the board.** Trucks and bushings are available through www.Fantomskateboard.com.

WHEELS & BEARINGS

The drive wheel will wear considerably more than the other three wheels. If your drive wheel is closer than ¼-inch to the belt housing you need to replace the drive wheel. Other wheels wear more slowly. If non-drive wheels wear to within ¼-inch of their black center hub you need to replace the wheel. Wheel bearings are sealed and normally do not need lubrication. If non-drive wheels do not spin freely, you can add drops of common machine lubricating oil to loosen. If oil is not effective, or if sand or grit gets in a bearing, it needs to be replaced. Contact www.Fantomskateboard.com to order wheels, bearings and other parts.

BATTERY MAINTENANCE

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.Fantomskateboard.com.

Distinguish the + (positive) and – (negative) polarity carefully while replacing the battery. Red wire is for + (positive) and Black wire is for – (negative).

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. Order replacement belts from www.Fantomskateboard.com.

DECKS & METAL EDGES

Normal wear will sometimes create rough or sharp edges on metal parts or splinters on the deck. Regularly check components and replace as necessary.

Troubleshooting

ISSUE	PROBLEM/CAUSE	SOLUTION
Skateboard does not start up.	Skateboard controller isn't 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 www.Fantomskateboard.com
	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 sometime.	Overheat / overload protection of motor, usually due to starting on an incline.	Wait a few seconds and apply trigger throttle.
	Low voltage protection of controller.	Change or recharge battery.
	Reset button has tripped.	The reset button (on the left side of the battery box) will automatically trip and turn off the power if the motor is overloaded.
Intermittent power while riding or "Beep" sound.	Damaged remote from fall or abuse.	Contact Altered 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 off after replacement, double check battery orientation.
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 battery cells.
Strong vibration & / 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.	Replace Bearing.
Motor runs, but drive wheel does not turn.	Drive belt is broken.	Replace drive belt. See web site for complete instructions www.Fantomskateboard.com

For other common issues visit Customer Support on our website
<http://www.Fantomskateboard.com>

Warranty

The manufacturer warrants this product to be free of manufacturing defects for a period of 90 days from the date of purchase. This Limited Warranty does not cover normal wear and tear, wheels, belts, batteries or any damage, failure or loss caused by improper assembly, maintenance, storage or use of this Altered® electric skateboard.

This Limited Warranty will be void if the product is ever

- used in a manner other than for recreation or transportation
- modified in any way
- used as a rental

The manufacturer is not liable for incidental or consequential loss or damage due directly or indirectly to the use of this product.

Altered® does not offer an extended warranty. If you have purchased an extended warranty, it must be honored by the store at which the scooter was purchased from.

For your records, keep your original sales receipt with this manual.

SB 1918 (CALIFORNIA) DECLARATION

YOUR INSURANCE POLICIES MAY NOT PROVIDE ANY COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS SKATEBOARD. TO DETERMINE IF ANY COVERAGE IS PROVIDE CONTACT YOUR INSURANCE COMPANY OR INSURANCE AGENT.



<http://www.Fantomskateboard.com>

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