

ATOM  **ELECTRIC**
OWNER'S MANUAL
B-SERIES

**THANK YOU
FOR CHOOSING
ATOM**


We have worked hard to make sure your board meets or exceeds your expectations. If for any reason it doesn't, or if you have any suggestions for improvements please let us know.

FOR WARRANTY ISSUES PLEASE CONTACT ATOM DIRECTLY.
DO NOT RETURN TO PLACE OF PURCHASE.

TOLL FREE - 1.877.627.4100
customerservice@mbs.com

@atomlongboards

www.atomlongboards.com

 atomlongboards

WARNING / AVERTISSEMENT

- Risk of fire - No user serviceable parts.
- Risque d'incendie et de choc électrique - Aucune des pièces ne peut être réparée par l'utilisateur.
- Riding this board is a risky activity that may cause serious injury or death.
- Read and follow all instructions in this manual.

SAFETY GUIDELINES

- Do not go down big hills on a full charge. Doing so can damage your battery. Ride on flat ground or uphill for a few minutes before going down big hills. This makes room inside your battery for energy captured by regenerative braking.
- Do not ride when temperature is above 104F (40C) or below 34F (1C).
- This device is not intended for use at elevations greater than 6560ft (2000m) above sea level. Lower density air at higher altitudes increases the risk of electrical short circuits and overheating.
- To maximize signal between remote control and board hold remote control below waist level at all times. In the unlikely event the signal between your remote and your board is lost, lower the remote control below waist level then brake to a stop. Stop riding. Charge the board and remote then test in safe flat area at low speed. If problem happens again stop riding and contact Atom for further instructions.
- Avoid riding in areas near cell phone towers, radio towers, high voltage power lines, or other powerful electromagnetic equipment.
- Prolonged exposure to UV rays, rain and the elements may damage the enclosure materials. Store indoors when not in use.
- Never ride in the rain, snow, or other inappropriate weather. Skateboard wheels WILL slip on wet surfaces.
- Always wear a helmet and flat soled shoes while riding this board. We recommend wearing wrist guards, elbow pads and knee pads.
- Assess all potential dangers before riding. Avoid all obstacles, bumps, potholes, etc.
- Never ride where there is vehicular traffic.
- Never ride at night or under poor visibility.
- Never ride under the influence of alcohol or drugs.
- Always ride in control and within the limits of your own ability.
- Do not disassemble motor, battery, or any electrical parts.
- Not recommended for children under 13. Children 13 years and older should always be supervised by an adult when riding.
- The rules and regulations for riding electric skateboards vary from place to place. Learn and obey the local, state, and federal rules and regulations in your area.

1

CHARGING BOARD

⚠ CAUTION

Charge your board fully before riding for the first time.

Charge in a safe dry area.

Do not charge when temperature is below 50F (10C) or above 104F (40C).
Ideal temperature range for charging is 60-75F (15-24C).

Only use the charger provided with your board. Using other chargers will void your warranty, damage your board, and could cause an electrical hazard.

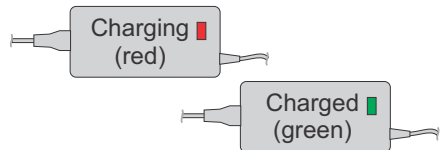
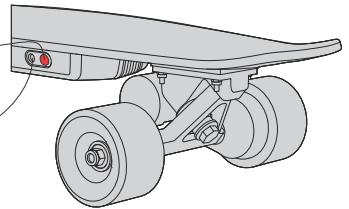
CHARGING PROCEDURE

1. Make sure board is powered OFF before charging. Power is OFF when the red LED light on the board is not lit.

2. Plug charger into charging port on your board (on side of battery box - near rear truck).

3. Plug the other end of the charger into wall outlet.

4. The light on charger will glow “red” while charging then change to “green” when board is fully charged. When fully charged, disconnect charger from wall, then from board.



2

STORAGE / DISPOSAL

Storage:

Store board indoors in a cool, dry place away from strong UV radiation. Avoid storing near windows (heat and UV rays). Avoid storing where the board is at risk of falling.

Heat and humidity greatly reduce your battery's capacity.
At 75F (24C) it takes 18 months to lose 10% capacity.
At 110F (43C) it takes only 3 months.
At 140F (60C) it takes just 1 month.

Do not store for longer than 1 month either at low power (30V) or full power (42V). In the middle is ideal (36V) - approximately 2 out of 3 battery lights on remote.

Turn power off before storing.

Disposal:

Your electric skateboard contains ewaste (circuit boards, lithium batteries, copper wire,...). When the time comes to retire your board search for “electronics recyclers” in your local area. They will help you dispose of your board in a way that won't cause harm to the environment.

3

REMOTE CONTROL

Familiarize yourself with the remote control.

RED BUTTON (multi-function)

POWER ON/OFF

Press and hold for two seconds to turn power ON or OFF.

POWER-CHOICE MODE

When remote is first turned on it automatically enters power-choice mode. In this mode each press of the red button will toggle between the power settings (low vs. high).

*Moving the motion controller for the first time puts you in motor-direction mode (see below). To re-enter power-choice mode restart remote.

*MOTOR-DIRECTION MODE

In this mode each press of the red button changes the motor direction (forward vs. reverse).

Remote will remain in this mode until power is turned off.

⚠ WARNING

Never press red button while riding. Bring board to a complete stand-still before pressing red button to change motor direction.

SPEED MODE LIGHTS

A solid LED light in this area indicates which speed mode is active.

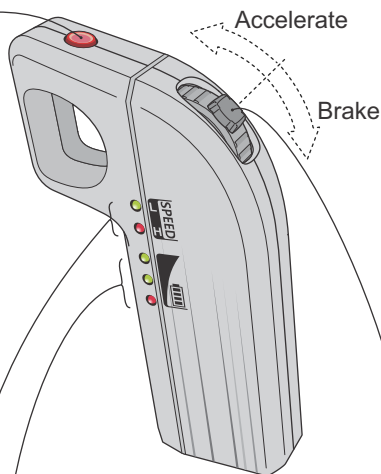
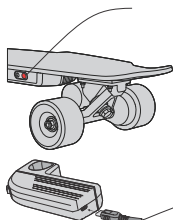
A flashing LED light in this area indicates no connection between board and remote. Check that board power is on. If so, turn off board AND remote for a few seconds then turn on again. If this LED is still flashing follow PAIRING PROCESS below.

PAIRING PROCESS

Turn board and remote OFF.

Simultaneously press and hold the power buttons on the board and remote until you hear 3 beeps (2 short then a long one a few seconds later).

One of the speed mode lights should now be solid to indicate successful pairing. If flashing repeat first two steps until successful.





MOTION CONTROLLER


Push forward to accelerate. Pull backward to brake.


BATTERY LIGHTS

Note: With one exception (see below*) the battery lights on the remote refer to the charge status of the **BOARD**.

THREE SOLID LIGHTS  **BOARD** is full charge

TWO SOLID LIGHTS  **BOARD** is mid charge

ONE SOLID LIGHT  **BOARD** is low charge

ONE LIGHT FLASHING FAST  **BOARD** is very low charge (Charge immediately!)

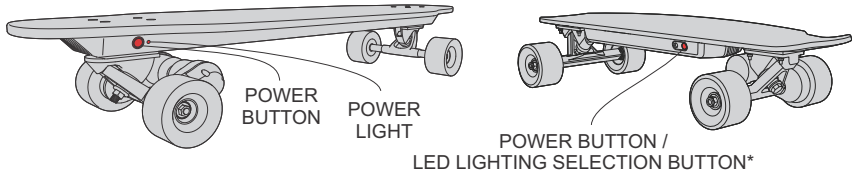
*ONE LIGHT FLASHING SLOW  **REMOTE CONTROL** battery is low. Charge via USB.

*Note: All other signals refer to board battery.

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GETTING STARTED

1. After studying the instructions and SAFETY GUIDELINES in this manual put on your helmet and pads and get ready to ride.
2. Turn your board ON by pressing and holding the power button for 2 seconds until the power light glows solid red. Wait 5 seconds to give the board's micro computer time to boot.



3. Turn remote ON by holding its red button down for 2 seconds. When board and remote are connected one of the “speed mode” lights on your remote will be a solid color. Wheels should now spin when motion controller is pushed forward. If not, you might need to pair your remote and board together the first time you ride (refer instructions below).
4. For models with LED lighting* each press of the power button (short press, not press and hold) switches to a new LED color scheme.
5. Beginners should only ride in LOW power mode (refer previous page). Only use HIGH power mode after you feel very comfortable in LOW speed mode.
6. Beginners should apply brake before standing on board. Don't forget your helmet and pads!
7. When you are ready to go, slide the motion controller forward to start your adventure. Remember to shift your weight to your front foot before accelerating. Return motion controller to neutral position to coast.
8. Practice braking while going slow to get the feel for it. Shift weight to your back foot before pulling backward on the motion controller to brake.

IMPORTANT: Learn to “foot brake” in the event of an emergency.

To foot brake, point your front foot forward and shift all your weight to that foot.

Gradually lower your back foot to the ground on the side of your board. Do this by bending your front knee (like a one legged squat), not by leaning over onto your ground foot.

Drag your back heel on the ground. Increase pressure to increase braking.

Tips:

- Keep most weight over your front foot the whole time.
- Your body and both feet should face forward while braking.
- Apply pressure to the heel of your dragging foot more than the ball of it. This will reduce the chance of your foot suddenly gripping the ground.
- Practice the motion standing still first.
- When done correctly you should feel it in the thigh muscle of your front leg.

MAINTENANCE / TROUBLESHOOTING

MAINTENANCE			
	FREQUENCY	ACTION	DETAILS
MAINTENANCE	Before and After Every Ride	Check drive belt(s) for wear.	Immediately replace belts that show signs of damage or excessive wear. Look for any cracks, frayed fibers, or other irregularities. Inspect through two manual rotations.
		Check all hardware is securely tightened.	Tighten hardware such as wheel nuts, truck screws, and battery box screws as needed.
		Check toher parts such as wheels and grip tape for excessive wear.	Purchase replacements from www.atomlongboards.com or your local dealer.
	Every 250 miles (400km) or every 6 months, whichever comes first.	Replace belts.	Replace regardless of condition. For an average rider in a region that uses daylight savings time you can remember to change belts when you change your clock.
When battery capacity is no longer acceptable.	Replace battery.	Lithium batteries lose capacity over time (approx 20% loss after 500 charging cycles). Contact Atom longboard customer service for replacement options.	
TROUBLESHOOTING			
	PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
POWER / CHARGING	My board is not charging. The light on my charger does not come on.	Charger cord is not properly plugged into wall, charger, or board.	Check that power cord is well connected at wall outlet, charger, and board. All should be pushed in fully. Check that wall outlet is turned on.
	I pressed the power button on my board. The power light does not come on (no lights on board).	Battery in board is depleted.	Charge board.
	I pressed the power button on my board and on my remote but my board won't respond to remote. The board's power light glows red, but one of the "speed mode" lights on the remote is blinking.	Board might not have booted up correctly. Remote has not been correctly paired with board.	Turn off board and remote. Wait 5 seconds, then try again. Pair your remote with your board by following the steps in "PAIRING REMOTE WITH BOARD" section of this manual.
	I pressed the power button on my board. The power light is flashing red. Board won't accelerate.	Your board's battery is extremely low.	Fully charge your board as soon as possible.
RIDING	I stopped riding for a few minutes. When I jumped back on my board it wouldn't work.	To save battery your board will automatically turn itself off after a few minutes.	Turn board on again by pressing and holding power button for a few seconds.
	My board temporarily didn't respond to my remote while I was riding.	Signal loss between board and remote.	Stop riding. Check if the battery warning light (the very bottom LED) is flashing. If flashing slowly, charge remote control. If flashing fast, charge board. Once charged, test again in a safe and flat area at low speed. TIP: Remember to hold remote at or below waist level at all times. One of the worst places to hold your remote is on top of your head. TIP: Avoid riding in areas with nearby cell phone towers, radio towers, high voltage power lines, or other electromagnetic equipment.
	Ride time / range is less than I expected.	Range varies depending on rider weight, riding surface, hills, wind, clothing, and most importantly riding habits. To achieve maximum range try some of these tips:	1. Try accelerating more gradually, and decrease cruising speed. Coast when possible. The slower you go the further you'll go. 2. A lot of power is used when starting from a stand-still. If you feel comfortable doing so, start by pushing off with your foot to conserve power / extend range. 3. To get the most out of your regenerative braking try to brake lightly. Hard braking loses more energy to heat.
	Ride time / range is less than when I first got my board.	The capacity of your battery (the amount of power it holds) decreases gradually over time. After 500 charge cycles, your battery will have lost approximately 20% of it's capacity.	Consider replacing battery when ride time / range is too low for your needs. Contact Atom Electric customer service department for help.
	My board feels unstable or wobbles at high speeds.	Your trucks' kingpins are too loose for your weight.	Increase the resistance of your bushings by tightening your kingpin nuts on both trucks (turn nut clockwise).
	My board is too difficult to turn. I want to turn sharper.	Your trucks' kingpins are too tight for your weight.	Decrease the resistance of your bushings by loosening your kingpin nuts (turn nut counter-clockwise). Never loosen nut past the point where the kingpin threads are flush with the top of the nut.
	I love riding my board but I'm getting a little bored.	Are you riding alone?	Persuade some friends to buy Atom Electric boards. The more people you ride with, the more fun you'll have. Share your riding experiences online.

WARRANTY

Atom Electric Consumer Warranty Policy:

Atom Electric warrants products against defects in workmanship and/or materials to the original retail purchaser for a period of six (6) months from the original date of retail purchase. A copy of receipt from authorized Atom dealer must be submitted with any warranty claim.

Warranty is limited to manufacturer's defects in workmanship or materials. The warranty is void if the product is damaged due to any of the following:

- accident or impact;
- misuse or abuse;
- normal wear and tear;
- exposure to water;
- battery left discharged for extended period of time;
- battery charged with charger other than one provided with board;
- modifications to the product;
- improper assembly or repairs;
- use in competition;
- commercial use.

Warranty claims can be filed directly atom via www.atomlongboards.com.

EXCLUSIVITY:

WARRANTIES SET FORTH IN THIS PROVISION ARE EXCLUSIVE AND IN LIEU OF ALL WARRANTIES EXPRESSED OR IMPLIED, INCLUDING WARRANTIES ARISING FROM COURSE OF DEALING OR USING OR TRADE. ATOM MAKES NO WARRANTY EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

PRODUCT SUBSTITUTIONS:

ATOM RESERVES THE RIGHT TO UPDATE MODEL DESIGNS, OR SUBSTITUTE MODELS WITH GRAPHIC AND/OR COLOR CHANGES. PRODUCT REPLACEMENTS ARE SUBJECT TO ITEM AVAILABILITY. IF AN EXACT REPLACEMENT IS NOT AVAILABLE, REPLACEMENT WILL BE MADE WITH A COMPARABLE ITEM OF EQUAL OR GREATER VALUE.

LIMITATION OF LIABILITY:

SELLER SHALL NOT BE LIABLE IN CONTRACT, IN TORT (INCLUDING NEGLIGENCE), OR OTHERWISE FOR DAMAGE OR LOSS OF OTHER PROPERTY, LOSS OF PROFITS OR REVENUE, LOSS OF USE OF PROPERTY OR EQUIPMENT, CLAIMS OF CUSTOMERS OF THE BUYER, OR FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES WHATSOEVER. UNDER NO CIRCUMSTANCES SHALL SELLER'S LIABILITY EXCEED THE PURCHASE PRICE OF THE GOODS IN RESPECT OF WHICH DAMAGES ARE CLAIMED. THE OBLIGATION OF ATOM LONGBOARDS AND BUYERS SOLE REMEDY UNDER ITS LIMITED WARRANTY IS THE SUPPLY OF A REPLACEMENT FROM REGULAR PRODUCT INVENTORY LINES. ATOM SHALL NOT BE LIABLE FOR ANY OTHER COSTS INCURRED NOR SHALL ATOM BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

SPECS:

Model: 40406 (B10)

Max Speed: 16mph (26km/h)

Max Load: 220lbs (100kg)

Electrical Rating: 36VDC 2.5Ah (90Wh)

Use only JY-420200 charger.

Belt Spec: HTD-3M-225x13mm

Model: 40410 (B10X)

Max Speed: 16mph (26km/h)

Max Load: 220lbs (100kg)

Electrical Rating: 36VDC 2.5Ah (90Wh)

Use only JY-420200 charger.

Belt Spec: HTD-3M-246x13mm

Model: 40412 (B18DX)

Max Speed: 21mph (34km/h)

Max Load: 275lbs (125kg)

Electrical Rating: 36VDC 5Ah (180Wh)

Use only JY-420200 charger.

Belt Spec (48T pulley): HTD-3M-225x13mm

Belt Spec (60T pulley): HTD-3M-246x13mm



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V.20.02