



bustin
BOARDS COMPANY



HYBRID V2

USER MANUAL

A top-down view of two Dualomo longboards resting on a red metal frame. The boards have a black base with a white geometric pattern and a central wooden deck with a vertical grain. The text 'DUALOMO' is printed on the wooden decks. The trucks are black with 'DUALOMO' and 'Real Trundle' branding. The wheels are white. The frame is made of red-painted metal rails and silver-colored cross-braces.

MEET YOUR NEW **BEST FRIEND.**

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KEY SAFETY WARNINGS

READ BEFORE YOU RIDE!

This device is not a toy. Please exercise extreme caution while riding and beware of all functionality by fully reading this manual. Do it!

Your board can lose power (and brakes) at any time. This is because it is controlled by BLUETOOTH which can experience interference from a variety of sources. Please be prepared and cautious at all times.

Do not break downhill on a FULLY CHARGED BATTERY. This is because the board includes regenerative braking, which puts power BACK into the battery when you brake. If you're battery is 100% charged, you must drain some power before you can effectively use the braking feature.

Know what RIDE MODE you are in, and realize that faster modes have a more sensitive throttle. Please make sure you read this manual in its entirety so that you are aware of how to use each setting. We HIGHLY recommend starting in the lowest speed setting (G1) and working your way up to a speed that you feel safe and comfortable in.

Beware of traffic!!!! Cars and other vehicles are one of the most dangerous elements of riding this board. Please DO NOT ride this board near motorized vehicles that are larger than you are!

Please Wear A Helmet!!!! E-Boarding is super dangerous and it is stupid to not wear a helmet. Please be smart and safe and ALWAYS wear a helmet, as well as other pads and protection as you see fit.

High Speeds = High Risk. This board will go extremely fast if you are (1) going down a hill and/or (2) have the speed setting in a higher mode such as G3 or G4. High speeds represent the greatest risk of injury while riding this board. You can be thrown off of your board and experience traumatic injury or death. Please use extreme caution while riding at high speeds. This is NOT a joke.

Take Care Of Your Board. We have spent a lot of time making this board shock and vibration resistant, but it is NOT indestructible. Jumping, riding off of curbs, throwing the board, riding through high water, and other things can affect the stability of the electronics inside. Please treat the board like you would treat your best friend and it will return the favor :)

“HELMET... DO IT!”

**“BE A COOL HUMAN...
DO THAT TOO!”**



SAFETY, SAFETY, SAFETY

IT MAY FEEL LIKE SNOW, BUT IT HURTS LIKE PAVEMENT.

HELMET, HELMET, HELMET! You should ALWAYS wear a helmet when riding this board. We HIGHLY recommend using a helmet that is CPSC certified. Additionally, there are number of new full-face helmets that will protect your BRAIN and your GRILL. One way or another, get a good helmet before you ride!

LEARNING TO RIDE. Like all things awesome, practice makes perfect when it comes to riding this board. Whether you're a seasoned skater or not, it is wise to find a nice open, smooth area to learn on. It does take some time to get used to the throttle and braking, and this is best done in a SAFE, CONTROLLED ENVIRONMENT such as a park or empty parking lot. (Tennis courts are also good but we didn't say that).

READ THIS MANUAL, SERIOUSLY. We said it before and we're saying it again. Having a SAFE and FUN experience on this board relies 100% on your understanding of how it works. Please read this manual so that you are clear on how everything works and what safety risks to be aware of while riding.

LONGSLEEVES AND LONG PANTS ARE A GOOD IDEA. This seems obvious, but it is something to always think about no matter how hot it is. Wearing longsleeves and long pants will protect your skin if you come off of the board. If you've ever had major road-rash, you know what we're talking about.

MORE IS MORE. We are not shy about recommending using more protective equipment when riding. In addition to a HELMET (duh), that may also include elbow pads, knee pads, wrist guards, spine protectors.

KEEP YOUR EYES OPEN! Here are some common threats to watch out for while riding your board: Loose gravel, slippery spots (oil or water) on the pavement, super steep hills, potholes and uneven pavement, trolls and leprichans, large rocks or debris, cars, CARS, **CARS**, tight squeezes and CARS. In particular, be aware of opening car doors if your'e riding past a line of parked cars. That one is NOT PRETTY.

NEW TO SKATEBOARDING IN GENERAL? If so we HIGHLY recommend you taking some online video tutorials to learn the proper stance and carving methods. Just search "learn to skateboard tutorial".

OTHER QUESTIONS OR CONCERNS? Feel free to reach out to us by email at skate@bustinboards.com. We're happy to help you find your groove!

KNOW YOUR BOARD

AND IT WILL KNOW YOU



ORGANIC FEEL MEETS USEFUL DATA

ORGANIC FEEL MEETS USEFUL DATA



SHAKA-MOTE FUNCTIONS

EVERYTHING YOU NEED TO KNOW

POWERING ON/OFF

Long-press the
POWER Button
(~ 2 seconds).

CHANGING MPH/KMPH

Turn OFF Remote
+
Hold Remote **Power & Gear** Buttons
down until screen comes on
+
Press **Gear** Button to toggle
between MPH & KM/H
+
Restart Remote



CHANGING SPEED MODES

Single-press the
MODE button to cycle.

G1 = Slowest
G4 = Fastest

(Speed Mode indicated in
lower left corner of display)



CHANGING BRAKING STRENGTH

Roll throttle wheel
fully backward (full brake).
+
Single-press the
MODE button to cycle.

B1 = Weakest Braking
B4 = Strongest Braking

(Brake Mode indicated in
lower right corner of display)



PAIRING REMOTE WITH A NEW BOARD

Turn on Board
+
Hold **Board Power** Button
for 10 seconds
+
Turn ON Remote
+
Hold Down **MODE** Button
+
Single-press Remote
POWER Button

(Remote will vibrate to
indicate successful pairing)



READY. SET. GO.

FIRST THINGS FIRST

Check Your Hardware

Before you ride, please check ALL of your hardware to make sure it is tight. This includes ALL of the nuts and bolts connecting the trucks, wheels and battery case.

Also check to make sure your bushings are the right tightness. We suggest starting with your trucks very tight until you get comfortable on the board. Loosen the Kingpin Nuts to achieve a tighter turning radius, but BEWARE: loose trucks can become out of control when you are going fast (aka "speed wobble").

Fully Charge Your Board & Remote

Before you ride for the first time, please plug your board in and charge until the light on your charger turns GREEN. Use the small USB charger to also fully charge your remote.

Turning On/Off Your Board

To turn the board on or off, just long-press the POWER button. When the board powers on you will see the button turn blue AND here a light beep sound.

Take It Slow

Learning to ride this board will take some time. Start slow and learn how to use the THROTTLE and BRAKES. We suggest starting in the G1 speed mode and getting comfortable with the throttle wheel. Slowly work your way up to the level you are comfortable with.

You will get more comfortable every time you ride, but DO NOT get too relaxed. Stay focused at all times and HAVE FUN!



FREQUENTLY ASKED QUESTIONS

THOUGHT YOU MIGHT ASK...

WHAT'S WITH THE PUSH-FEATURE? HOW DOES THAT WORK?

When we set out to create this board, we wanted an electric skateboard that felt MORE like a traditional skateboard or longboard. To do that we combined beltless hub-motors with the signature push-board design of the Bustin Sportster. The low-down, push-friendly deck, combined with the low resistance hub-motors makes this board push easier than almost every e-board out there. We appreciate the Push-Function most when we're starting our rides. Simply drop your board and push away just like you would on your skateboard or longboard. All of the curious folks around you won't realize it's an electric board until you decide to push the throttle and accelerate out of sight (they'll be scratching their heads wondering how you did that all day)!

Please note that within the world of hub-motors, which use no belts or gears, there is still ALWAYS a range of resistance that exists. Some hub-motors won't turn at all without a power currency running through them. Ours, on the other hand, are specially tuned to spin with less resistance whether the board is turned OFF or ON. Because a hub-motor works using magnets, it is impossible to remove ALL resistance from the wheel, but we've pulled out every stop to create a motor that minimizes this resistance to the point where the board can be easily pushed like a regular skateboard.

One obvious, but notable point here is that the board itself is naturally a bit heavier than a standard longboard because of the battery, motor, circuit board and cover. We've done our best to make the boards as light as possible while still packing a quality, long-range battery, but it's not realistic to compare it to a board WITHOUT the electric components. In other words, if you have a traditional Bustin Sportster and you're expecting this one to feel exactly the same, you might be disappointed. Just as if you took a Porsche 911 and compared it to the same 911 towing one of those awesome little pop-up campers things. It's still a great ride, but remember you're now towing some extra weight to get the power you need.

DOES THIS BOARD NEED REGULAR MAINTENANCE?

Not really. We ask that you FULLY CHARGE the battery when you receive the board. Beyond that, just keep it out from under the wheels of dump trucks and try not to drop it out of your helicopter. Obviously there are more than a few ways to destroy a skateboard, but we've designed the Bustin Hybrid to stand up to most forms of normal wear and tear without needing much maintenance at all.

WHAT IS THE MAXIMUM WEIGHT FOR THE BOARD?

We've tested the board up to 300 lbs with no problems. However, please bear in mind that the speed and battery range are affected by both rider weight and terrain conditions. If you are a heavy rider, your speed and range results may be a bit lower than someone who is smaller. It doesn't make it less fun, but that's something you need to know if you're one of the Great Danes reading this.

IS THE BOARD WATERPROOF?

This board is rated at IP65, meaning a better word would probably be water resistant. We DO NOT recommend riding in the rain or through puddles, but if your board gets a little wet, you should be fine. If you run the hub motors through standing water, ride through a down pour or accidentally launch it into the Hudson River and manage to retrieve it, you may damage the motors, batteries or electronics.

IS THE BATTERY REMOVEABLE?

We've designed our battery/circuitry cover to be easily removeable for any repairs or DIY upgrades people want to add (note that any DIY upgrades DO void the warranty, sorry tech nerds, but you know that's normal :). However, this board does not include a quick-swap battery design. This would be a cool update on future versions, but our focus now is on making a really skate-able board. If you have any issues with your battery, we will most definitely be here to walk you through removing the casing and replacing it.

CAN I STILL RIDE IT IF THE BATTERY DIES?

Yes, yes and yes. This is one of the coolest benefits of the Push-Friendly design. No longer will you be 'that guy' walking through the crowd because of your riding lawnmower excuse for a skateboard died.

WARNINGS, SAFETY & COMPLIANCE

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. If not installed and used in accordance with the instructions, it 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.
- Prolonged exposure to UV rays, rain and the elements may damage the enclosure materials. Store indoors when not in use.

Do not attempt to disassemble the product without consulting Dualomo's service department. Should your unit need service, contact us directly at skate@bustinboards.com.

- Changes or modifications made to this product not expressly approved by Bustin Boards may void the user's warranty.
- Do not shock the battery by dropping it or throwing it.
- Always keep the battery out of reach of infants or small children.
- Never expose this product or the battery to any liquids.
- Never throw the battery into a fire, as that could cause the battery to explode.
- Never short-circuit the battery by bringing the connector terminals in contact with another metal object. This could cause personal injury or fire and could also damage the battery.

Your device contains an internal rechargeable lithium-ion battery which may present a risk of fire or chemical burn if mistreated. Do not charge or use the unit in a car or similar place where the inside temperature may be over 40°C/104°F.

Warranty Information

All boards come with a 6-month limited manufacturers warranty. Should you encounter some production related manufacturer's defect during this time, we will take care of it according to our warranty. As some elements of a board can be damaged due to certain types of riding and or crashes and accidents, we reserve the right to examine each warranty claim individually. In other words, if you experience problems with your battery we'll gladly replace it and get you riding again fast and easy. If your board gets run over by a cross-town bus, the best we can offer you is a discount replacement deal (contact us). We're fair and approachable; and we're committed to supporting our customers. Contact us if you have any problems or questions!

The charger supplied with the electric skateboard should be regularly examined for damage to the cord, plug, enclosure, and other parts. In the event of such damage, the skateboard must not be charged until the charger has been repaired or replaced. Unplug the charger and disconnect it from the skateboard when not in use.

Product & Battery Disposal Information

- Your device should not be placed in municipal waste. Please check local regulations for proper disposal of electronic products.
- If this unit shows any type of damage, such as bulging, swelling, or disfigurement, discontinue use and immediately contact directly at support@dualomo.com
- Dispose of used batteries in accordance with the prevailing community regulations that apply to the disposal of batteries.
- Never dispose of used batteries with other ordinary solid wastes.
- Batteries contain toxic substances.

Disclaimer

Prior to using the Dualomo board, we highly recommend that you research your local regulations and country specific laws. Ultimately, you are responsible for complying with all applicable laws and regulations and Dualomo waives all liability relating to your use of Dualomo products.

Compliance Information

Optimal Operating Environment
Temperature: 5°F - 40°C/41°F - 104°F
Humidity: 0% - 90%

Electrical Specifications

Charger Input:
100-240VAC, 50/60Hz,
2.0A (indoor use only)
Charger Output:
42V, 3.0A



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