



Triboard500

(Standard & Pro)

User Manual

Triboard500 QUICK ASSEMBLY GUIDE:

1. Carefully remove contents of box out of the packaging.
You will find:
 - 1 x Triboard500
 - 1 x 110V Charger
 - 2 x Allen keys (2mm and 5mm)
 - 1 x Small screw
2. Lift riser/stem to the upright position and lock it into place using the fold clamp.
 - To fold the riser/stem, simply raise the small "open" button and pull the fold clamp outwards and gently lower the riser/stem towards the back wheel.
3. Rotate the handlebar counter clockwise once so that the brake lever is on your left when standing on top of the Triboard500.
 - Adjust the height of the handlebar to your liking and lock into place using the tube clamp.
 - Insert the small screw inside the tube clamp and tighten it using the 2mm Allen Key
4. Rotate the brake lever and Bell to your desired position and tighten the nut using the 5mm Allen Key.
5. Place your Triboard500 on a raised surface for easy inspection while securing one of the wheels so it stays in place then proceed to visually check the Triboard500 components and ensure that all screws and bolts are tightened and that tires are correctly inflated. This is already done once at the factory and once before shipping but as a precautionary measure we recommend you do this as well before riding.
6. Charge your TriBoard500 in a clean environment at ambient temperature until light on the charger turns from red to green
7. Once you've familiarized yourself with the digital display (see below instructions) you will be ready to ride. Please ride carefully!

IMPORTANT NOTE: TO AVOID DAMAGING YOUR BATTERY PACK WE STRONGLY RECOMMEND USER SHUTS DOWN AND RECHARGE THE TRIBOARD500 ONCE BATTERY LEVEL REACHES 10%. YOU WILL ENTER THIS CRITICAL LEVEL SHORTLY AFTER YOUR DISPLAY SHOWS 1 BAR OR REACHES 40V IN THE VOLTAGE METER.

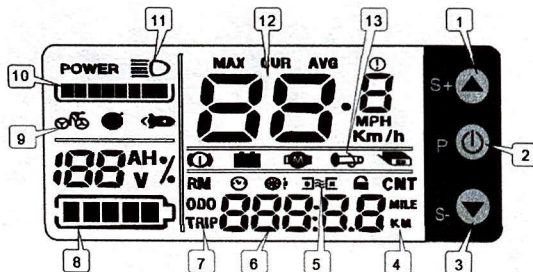
MAIN COMPONENTS

MERKAVA TRIBOARD500



LCD DISPLAY




MERKAVA TRIBOARD500



1	UP	9	LOW SPEED
2	POWER/AND LED	10	CRUISE
3	DOWN	11	MEDIUM / HIGH SPEED
4	CNT CHARGED TIMES Number	12	POWER POWER BACKLIGHT
5	MPH/MILE MILE SPEED	13	LIGHTS ON
6	KM/H KILOMETER SPEED		SPEED
7	TYRE DIAMETER 8 inch		MAX MAX SPEED
8	SENSOR PULSE		CUR CURRENT SPEED
9	PASSWORD		AVG AVERAGE SPEED
10	DISPLAY SCREEN		OVER SPEED
11	RM REMAINED MILEAGE		BRAKE
12	ODO ODOGRAPH (cumulative) MILEAGE		BATTERY ERROR
13	TRIP SINGLE MILEAGE		MOTOR ERROR
14	BATTERY VOLUME		ACCELERATOR ERROR
15	BATTERY VOLTAGE AND REMAINING		CONTROLLER ERROR

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Quick start guide:

1. Press and hold Power button for 3 seconds to turn on/off the display
2. Adjust the speed mode by pressing on the Up arrow. **Always start on the default Low speed** 
Press Up arrow to enter Medium Speed 
Press Up arrow again to enter Fast Speed (icon flashes) 
3. Press on brake lever to ensure brake lights turn on and that the scooter is immobilized while brake lever is pressed.
4. Hold handlebar, Mount the board with one foot and simultaneously kick off the ground with the other foot and press the throttle gently to start riding.
5. The handlebar does not turn, you need to gently tilt your body weight or lean towards the direction you would like to go and the board will follow. Please practice curving and turning at very slow speeds.

Additional features of LCD display:

1. Pressing the Down arrow will show a few figures including (TRIP) your current session riding time and current trip distance. **Note that the total distance (ODO) feature is not functional on this display and will likely show random figures.** (CNT) is the amount of times the battery has been charged.
2. Pressing the Power and Down arrow buttons simultaneously for 5 seconds will reset your trip distance.
3. Pressing the Power button for 1 second will turn on your rear light (a bulb icon will appear).

Changing the settings:

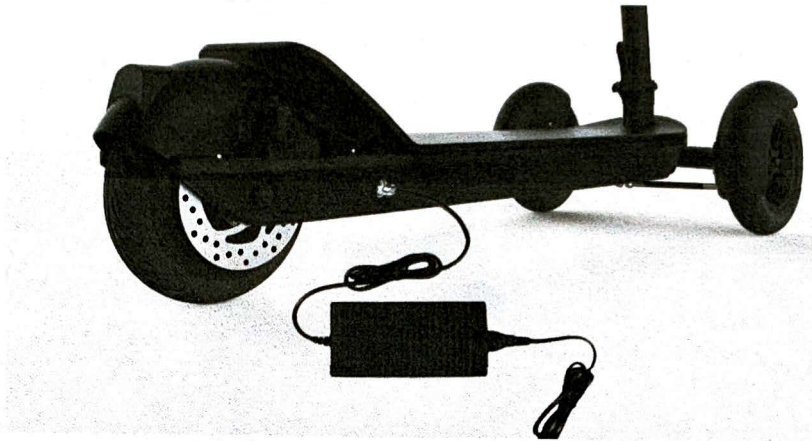
1. Press Up and Down arrow simultaneously for 3 seconds to enter or exit settings mode.
2. **DO NOT PRESS DOWN ARROW ONCE YOU'VE ENTERED SETTINGS MODE.**
3. **Press Up** arrow to toggle through the different settings
4. Press Power button to select the setting you wish to modify
5. Use Up or Down arrow to change the setting
6. Press Power button again to save
7. Press Up and Down arrow simultaneously for 3 seconds to exit settings mode

After you've entered settings mode:

8. Press Up arrow to change auto shut off time. Factory sets this at 0:03min
9. Press Up arrow again to change "non zero" speed. We strongly recommend leaving this at the zero factory setting. Adding bars to this setting will result in the TriBoard500 not advancing with the pressing of the throttle. It will require you to push off the ground and gain a certain momentum before the motor "kicks in". On slightly uneven surfaces this speed might be difficult to attain which will cause frustration as the board will not react to the throttle
10. Press Up arrow again to change display back light strength. If you intend on only riding during daytime then you can turn off the back light entirely.
11. Press Up arrow again to change Max Speed. If you want to make sure you stay within a low speed range without having to worry about accidentally pressing throttle to much then you may set the max speed to 10km/h for instance. The board will not surpass this speed (unless you are riding on a declining slope of course, as there is no engine braking). If you want to reach the full speed of 32KM/hr you can leave the factory settings for max speed at 95km/h. This will ensure full power will be delivered to the rear wheel on demand.
12. Press Up arrow again to change from KM to Mi and vice versa.

13. After you've confirmed your last selection by pressing the power button, Press Up and Down arrow simultaneously for 3 seconds to exit settings mode and start riding.

Maintaining your battery pack:



Before shipping, each and every transporter is checked for overall quality control and condition of battery pack. Battery is tested and fully charged before shipping.

The lithium ion technology is intended to last for several years while being charged and discharged many times. However, the battery's life span will depend on your care of the battery.

Battery life will depend on your maintenance and care of the battery. TriBoard500 uses advanced Lithium-Ion batteries made with LG cells (PRO version) and Samsung cells (Standard version) and they should be charged at least once a month (when not in use) to ensure the longevity of your battery. Make sure to only use our supplied 48V charger on your 48V battery.

Allow your battery to rest for 10 minutes after charging before riding and for 10 min after riding before charging. Unplug your battery charger after the light turns green indicating your battery is fully charged.

Always unplug the charger from the wall outlet before plugging or unplugging the other end into your TriBoard500 to avoid accidental surcharges.

Typical charging time after the battery has reached the 10% critical low level is between 5 to 8 hours depending on whether you have the Standard or PRO long range version of the Triboard500.

Caution: Do not expose your battery to extremely low or high temperatures to avoid potential damage to your battery.>>

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Warranty information:

Merkava stands behind its products. All our transporters benefit from a 2 year limited warranty.

The **COMPANY** warrants that the **frame** will be free from defects in the materials and workmanship for a period of 1 year.

The **COMPANY** warrants that the **motor and battery pack** will be free from defects in the materials and workmanship for a period of 1 year*.

The **COMPANY** warrants that the **electrical components including the controller and charger** will be free from defects in the materials and workmanship for a period of 6 months.

Before shipping, we conduct spot checks on our transporters to validate overall quality and condition of electrical components including motor and battery pack. These checked units have their battery tested and fully charged before shipping.

The lithium ion technology we use is intended to last for several years while being charged and discharged many times. However, the battery's life span will depend on your care of the battery.

If the **PRODUCT** proves defective AND a claim is filed during the warranty period, the **COMPANY** at its option, will:

Repair the **PRODUCT** by means of telephone support, email support, or by providing the necessary parts at no charge.

Warranty claims must be filed with Merkava by email: info@merkava.ca

*Warranty on battery will be limited to 6 months if it is determined that our guidelines for proper battery care have not been followed.

The following are not covered by the warranty:

- Wear and tear on frame, grip tape, levers, tubes, tires, brake discs, brake pads, cables, seats, plastic fairings and any other component which wears out naturally during usage.
- Minor scratches and stress marks that may occur during shipping and handling.
- Water damage caused by exposing sensitive electrical parts to water such as washing transporter with hose or pressure washer.
- Accidents, misuse, abuse, human errors or lack of maintenance.
- Acts-of-god such as fire, flood, earthquake, freezing, etc

The following will void the warranty:

- The modification of your transporter or use outside those specified on this site.
- The serial number of the product has been altered or removed.
- The product has been dismantled and repaired/reassembled with aftermarket parts.
- Overloading your transporter.
- Storing your transporter outdoors.

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Safe Operation:

- Always wear a Helmet
- Always Start in the slow speed mode
- Grip both hand grips
- Stand with one foot on the deck and one foot on the ground
- Check brake level for positive braking action
- Press power button on the throttle/display
- Push the ground with one foot while pressing the throttle to accelerate

Steering

Steering your TriBoard500 is achieved by shifting your body weight from side to side. Try out these different riding styles to find what suits you best.

1- Ride **Snowboard** Style with one foot forward and one foot back, shift your weight from heel to toe. Regular riders will have their left foot forward and goofy foot riders will have their right foot forward

2- Ride **Ski** Style with feet side by side, drop your hip and push handlebars to the side you are steering towards

3- Ride **Tail** Style with one foot forward in the center of the deck and one foot on the tail - this style centers your weight for quicker direction changes. This is an advanced riding style for experienced riders

Braking

Pull hand brake lever toward the hand grips when you need to slow down or stop. When braking at higher speeds, lean back so that your weight is over the back wheel to decrease your stopping distance

TriBoard500 is very stable with a 3-wheel lean-to-steer system that reduces the fall risk typically associated with stand-up riding. Whether you're a seasoned skater or it's your first time, follow the guide below and always keep your and others safety in mind.

Helmet

Always wear an ASTM and CPSC certified helmet when riding. Make sure that chin strap is attached before your ride and follow the helmet manufactures instructions for proper user and fit.

Footwear

Make sure to always wear shoes that have good traction on the board and will stay on your feet.

Brakes

Squeeze the hand brake lever to ensure there is positive braking action before starting your ride.

Board Control

Make sure you are standing on your board with your hands on the hand grips before engaging the throttle and keep hands on hand grips when riding.