TRIOBIKE



MONO

ORIGINAL INSTRUCTIONS

ENGLISH V 2.8



hello new user
let's ride

Congratulations on your new bicycle! Proper assembling and operation of your bicycle is important for your safety and enjoyment. Our customer service department is dedicated to your satisfaction with Triobike and its products. If you have questions or need advice regarding assembly, parts, performance, or returns, please contact the experts at Triobike.
Enjoy the ride!

our contacts

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ABOUT THIS MANUAL

It is important that you understand your new bicycle. By reading this manual before you go out on your first ride, you'll know how to get better performance, comfort, and enjoyment from your new bicycle. It is also important that your first ride on your new bicycle is in a controlled environment, away from cars, obstacles and other cyclists.

This manual contains important information regarding safety, assembly, use, and maintenance of the bicycle but is NOT intended to be a complete or comprehensive manual covering all aspects concerning bicycle ownership.

We recommend consulting a bicycle specialist if you have any doubts or concerns regarding your experience or ability to properly assemble and maintain the bicycle.

REMINDER

All persons assembling, using, and maintaining the bicycle must read and understand the safety warnings and operating instructions in this manual before using the bicycle. It is the responsibility of the user to ensure the bicycle is properly maintained and in proper operating condition. Doing so will reduce the risk of injury.
Always conduct regular maintenance and inspection of your bicycle. Complete the Safety Checklist at the end of this manual before each use.

WARNINGS

DO NOT INSTALL ANY KIND OF ADDITIONAL ELECTRIC MOTOR OR INTERNAL COMBUSTION ENGINE TO THE BICYCLE. ADAPTING A BICYCLE IN THIS MANNER POSES AN EXTREME SAFETY RISK TO RIDER AND COULD RESULT IN LOSS OF CONTROL.

INABILITY TO SAFELY REACH THE HANDLEBARS AND DISMOUNT THE BICYCLE MAY RESULT IN LOSS OF CONTROL OF THE BICYCLE. IMPROPER SETUP OR MAINTENANCE OF THE BICYCLE MAY RESULT IN AN UNEXPECTED MOVEMENT, LOSS OF CONTROL, AND SERIOUS INJURY.

RIDING THE BICYCLE IN UNSAFE CONDITIONS, IN AN UNSAFE MANNER, OR DISREGARDING TRAFFIC LAWS MAY RESULT IN AN UNEXPECTED MOVEMENT, LOSS OF CONTROL, AND SERIOUS INJURY.

GENERAL SAFETY

Inspect the entire bicycle before riding - ensure that there are no loose parts, bolts or screws. Test the brakes and check if the pressure in the front tires is equal. Check rear tire pressure too.
If you have any doubts or questions, contact your local bike dealer.
By not following these safety precautions, you may risk injuring yourself or others.

GENERAL BIKE SAFETY PRACTICES

- Always follow the traffic laws in your country.

- Never ride while under the influence of alcohol, medication or drugs.

- If you suffer from any health conditions, please consult your doctor before riding.

- Never endanger yourself or others by reckless riding.

- The usage of bicycles or any accessories such as lamps, bells etc. is the user's own responsibility, and TRIOBIKE cannot be held responsible for any damage, accidents, personal injury or fines caused by the usage of these products.

- Familiarize yourself with all the bicycle's features before riding.

- Practice gear shifts, braking, and the use of the electric system.

- Always ride defensively in a predictable, straight line.

- Never ride against traffic.

- Expect the unexpected (e.g., opening car doors or cars backing out of concealed driveways).

- Take extra care at intersections and when preparing to pass other vehicles.

- Maintain a comfortable stopping distance from all other riders, vehicles and objects. Safe braking distances and forces are subject to the prevailing weather conditions. Do not lock up the brakes.

- When braking, always apply the rear brake first, then the front. The front brake is more powerful and if it is not correctly applied, you may lose control and rise the rear wheel. Always use the correct hand signals to indicate turning or stopping.

- Obey the traffic laws (e.g., stopping at a red light or stop sign, giving way to pedestrians).

- Wear proper riding attire, reflective if possible, and avoid open toeshoes.

- Do not use items that may restrict your hearing and vision.

WET WEATHER

- When riding in wet weather always use safety lights to enhance visibility.

- Exercise extreme caution when riding in wet conditions.

- Ride at a slower speed. Turn corners gradually and avoid sudden braking.

- Brake earlier, it will take a longer distance to stop.

- Pot holes and slippery surfaces such as line markings and train tracks all become more hazardous when wet.

ROAD CONDITIONS

- This bike is for on-road use only. Do not use the bike off-road or on rough terrain.

- Be aware of road conditions. Concentrate on the path ahead.

- Avoid pot holes, gravel, wet road markings, oil, curbs, speed bumps, drain grates and other obstacles.

- Cross train tracks at a 90 degrees angle or walk your bicycle across.

NIGHT RIDING

- Do not ride the bike at night without lights on, both front and rear.

- If using battery powered lights, make sure batteries are well charged.

- Wear reflective and light colored clothing.

- Ride at night only if necessary. Slow down and use familiar roads with street lighting.

HILL TECHNIQUE

- Gear down before a climb and continue gearing down as required to maintain pedaling speed. You will then obtain more power from each pedal revolution.

- If you reach the lowest gear and are struggling, don't stand up on your pedals, since you may loose control of the bike.

- On the descent, use the high gears to avoid rapid pedaling.

- Do not exceed a comfortable speed; maintain control and take additional care. Don't go faster than 32 Km/h. If the bike is loaded, limit even further your speed.

- Braking will require additional distance. Initiate braking slowly and earlier than usual. Please consider that a fully loaded bike can reach 240 Kg and this will heavily effect the braking distance.

CORNERING TECHNIQUE

- Brake slightly before cornering and prepare to lean your body into the corner.

- Decrease your riding speed, avoid sudden braking and sharp turns.

FRONT BOX

- When loading and unloading passengers on the front box, be sure that the parking lock is activated.

- Load and unload only 1 passenger at a time.

- Always follow the specific instruction when loading and unloading passengers on the front box.



SAFETY CHECKLIST

Before every ride, it is important to carry out the following safety checks. Do not ride a bicycle that is not in proper working condition!

ACCESSORIES

- The reflectors are properly placed and not obscured.
- All other fittings on the bike are properly and securely fastened, and functioning (e.g.: lights).
- Rider's and passenger's clothing and items are properly constrained and not loose.

BEARINGS

- All bearings are lubricated, run freely and display no excess movement, grinding or rattling.

BRAKES

- The front and rear brakes work properly.
- The brake control cables are lubricated, correctly adjusted and display no obvious wear.
- The brake control levers are lubricated and tightly secured to the handlebar.

CHAIN

- The chain is oiled, clean and runs smoothly.

CRANKS AND PEDALS

- The pedals are securely tightened to the crank arms.
- The crank arms are secured to the axle and are not bent.

FRAME

- The frame is not bent or broken.
- The quick-release clamps are locked in place.

STEERING

- The handlebar and post are correctly adjusted and tightened, and allow proper steering.
- The handlebar binder bolt is tightened.

WHEELS AND TIRES

- The wheels are properly attached to the bicycle and axle.
- The tires are properly inflated within the recommended pressures displayed on the tires sidewall.
- The tires have the proper amount of tread, no bulges or excessive wear.

QUICK RELEASE SEAT CLAMP



- Unlock the quick-release lever

- Adjust the seat height up or down until the rider feels that he/she has control of the bicycle and are comfortable.

IMPORTANT: be sure the minimum insertion marks do not go past the top of the seat clamp and are not visible.



- Try to close the quick-release lever. If it closes easily, open it up and tighten the adjustment nut further. If it's too difficult to close, open the quick release lever up and loosen the adjustment nut a little and try again.

DO NOT ATTEMPT TO TIGHTEN BY TURNING THE QUICK-RELEASE LEVER. THE QUICK-RELEASE LEVER IS FOR CLOSING, THE ADJUSTMENT NUT IS FOR ADJUSTING THE PRESSURE.

IMPORTANT: you should feel resistance when you close the quick-release lever and should leave a temporary impression on your fingers. Open and close the handle to ensure the seat is securely locked in place.

HANDLEBAR



ADJUSTING THE STEM ANGLE

- Using a 6 mm Allen wrench loosen the bolt at the front of the stem.

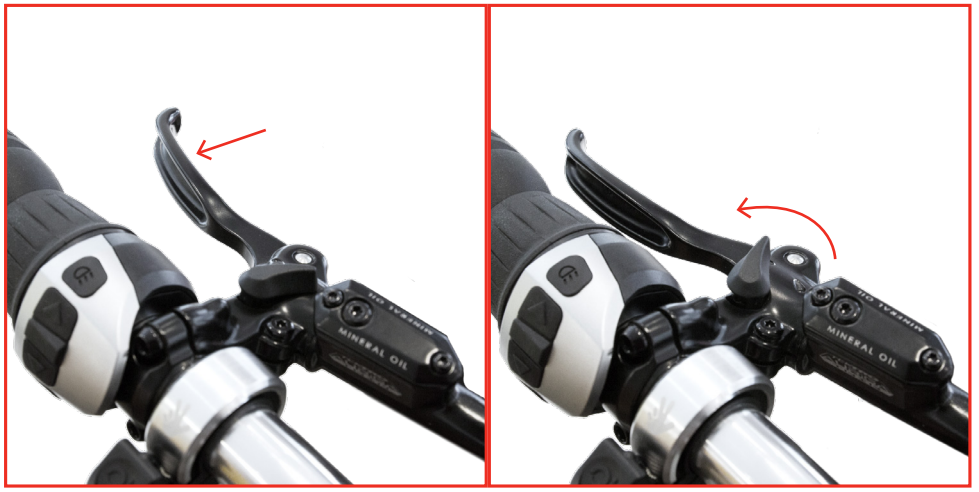
IMPORTANT: do not loosen the bolts on the side of the stem.

- Grasp the stem of the handlebar and rotate to the desired angle.

- Re-tighten the handlebar bolt at the front of the stem and check the handlebar is securely attached and cannot move.

- Once you have adjusted the angle of the handlebar check the angle of the cables to be sure they are facing forward.

PARKING LOCK



LOCK

- Press the LEFT brake lever IN.
- Rotate the small lever to the left.

UNLOCK

- Press the LEFT brake lever IN.
- Rotate the small lever to the right.

GEAR



INTERNAL SHIMANO GEARS

The rear shifter is placed on the right handlebar and has an indicator that shows the number of the engaged gear, from 1 to 5.
First gears are used for slower riding, hill climbing, or to allow for easier pedaling. It is recommended to start off in this gear and move through the gears as speed increases as needed, or comfortable.
To change gear, just twist the rubber handle close to the numbered window.



ENVIOLO TRANSMISSION

Shifting with the Enviolo system, while riding:
- Shifting into low ratios for starting or climbing
    - Using the Nfinity grip, rotate in the direction indicating more of a “hill”
- Shifting into high ratios for higher speeds
    - Using the Nfinity grip, rotate in the direction indicating more of a “flat”

Shifting with the Enviolo system, while stopped:
- NuVinci Cycling CVPs cannot be shifted completely through the ratio range while stopped: 50-70% of the shift range is typically accessible, with the remaining accessible with very little pedal rotation

MID DRIVE E-SYSTEM

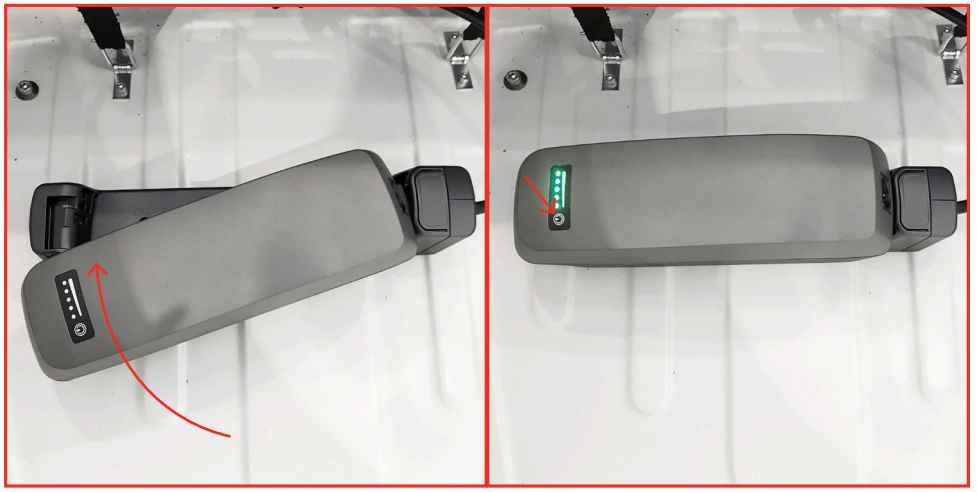


USING THE SYSTEM (BROSE ALLROUND DISPLAY)

- To turn on the system, press the power button.
- Choose the desired assist level by pushing the "+/-" on the handlebar control. Choose between ECO, TOUR, SPORT and BOOST. To make the bike move with electric assistance you just have to pedal.
- To activate the walk assist, just press for 2 seconds the specific button.

IMPORTANT: the walk assist works only when the assistance level is set to ECO or more.

- Integrated lights can be switched on and off pressing the specific button.
- To turn off the system, press the power button on the handlebar control for 3 seconds. When the display is off, the complete system is off too.



FRONT BOX MOUNTED BATTERY

- Insert the battery in the specific stand placed inside the front box and push it towards the handlebar. Press the power button on the battery pack. The system now is active.
- To remove the battery, insert the key in the lock and turn it counterclock wise, then remove the battery pulling it toward the front of the bike.
- To charge the battery, plug the charger magnetic connector in the specific socket. The LED on the battery will start blinking. When the charge is done all the 5 LEDs are on.

IMPORTANT:
-Don't leave the battery charging too much time after the full charge. When the battery is fully charged disconnect it from the charger.
-The battery should covered from rain and dried if wet.
-Washing the battery with a high pressurized cleaner will break the battery.

SEATS



LIFTING THE SEAT

To fold the seat, simply turn the seat of almost 90° to a vertical position. You can use the space below the seat to store small things.

SEAT BELTS



FASTEN THE SEAT BELTS

- Hold the buckle placed at the end to the belt coming from the bottom of the seat.

- Insert the side belts in to the buckle. Listen for the click.

- Tug on the seat belts to make sure the belts is securely fastened.

RELEASE THE SEAT BELTS

-Press the 4 flaps on the buckle to release the latches. The latches will eject from the buckle.

HOOD



UNFOLDING/ FOLDING THE HOOD

- Loosen the black screw handles on every side. Just one complete turn is enough.

- Unfasten the clip that holds the hood on the rear of the box

- Unfold the hood. Cover the front metal rail with the front part of the hood. Apply some pressure in order to fix it firmly with the Velcro.

- To fold the hood, simply repeat the steps described above in the reversed order.

Once closed, you can open the front part simply lifting the zippers.

KICKSTAND



OPERATING THE KICKSTAND

The kickstand allows big children to step in and out of the front pod without the rear wheel lifting from the ground. It's easily operated by foot.

UNFOLDING

Using the tip of one foot, push it towards the ground.

FOLDING

Using the tip of one foot, push it towards the bike pod.

SPECIFICATIONS



build up

FRAME: aluminium 7005

BOX: vacuum formed ABS PU foam – sandwich

REAR WHEEL: 26”

FRONT WHEELS: 20”

e-system

MOTOR: Brose Drive S | 250W – 90 Nm mid drive motor

DISPLAY: Brose Allround

BATTERY: Li-Ion cells, 36V – 501 Wh

E-SYSTEM WARRANTY: 1 - 2 years

components

BRAKES: Tektro hydraulic disc brakes with parking lock

GEARS / TRANSMISSION:
Shimano Nexus 5 Steps e-bike / chain
Enviolo CA manual groupset / Gates Carbon Drive

LIGHTS:
integrated front and rear lights

FRAME LOCK:
one AXA lock included

TIRES:
Puncture free Schwalbe Marathon plus 1.75”

SEAT POST:
Ø 31,6 mm
LENGTH 450 mm

STEERING DAMPER: one included

SADDLE: triobike gel

CRANKSET: FSA aluminium

STEM: adjustable

dimensions

BIKE:
LENGTH: 232 cm
WIDTH: 93 cm

BOX:
WIDTH: outside 80 cm, inside 72 cm
LENGTH: outside 113 cm, inside 83 cm
HEIGHT FROM SEAT TO ROOF: 62 cm

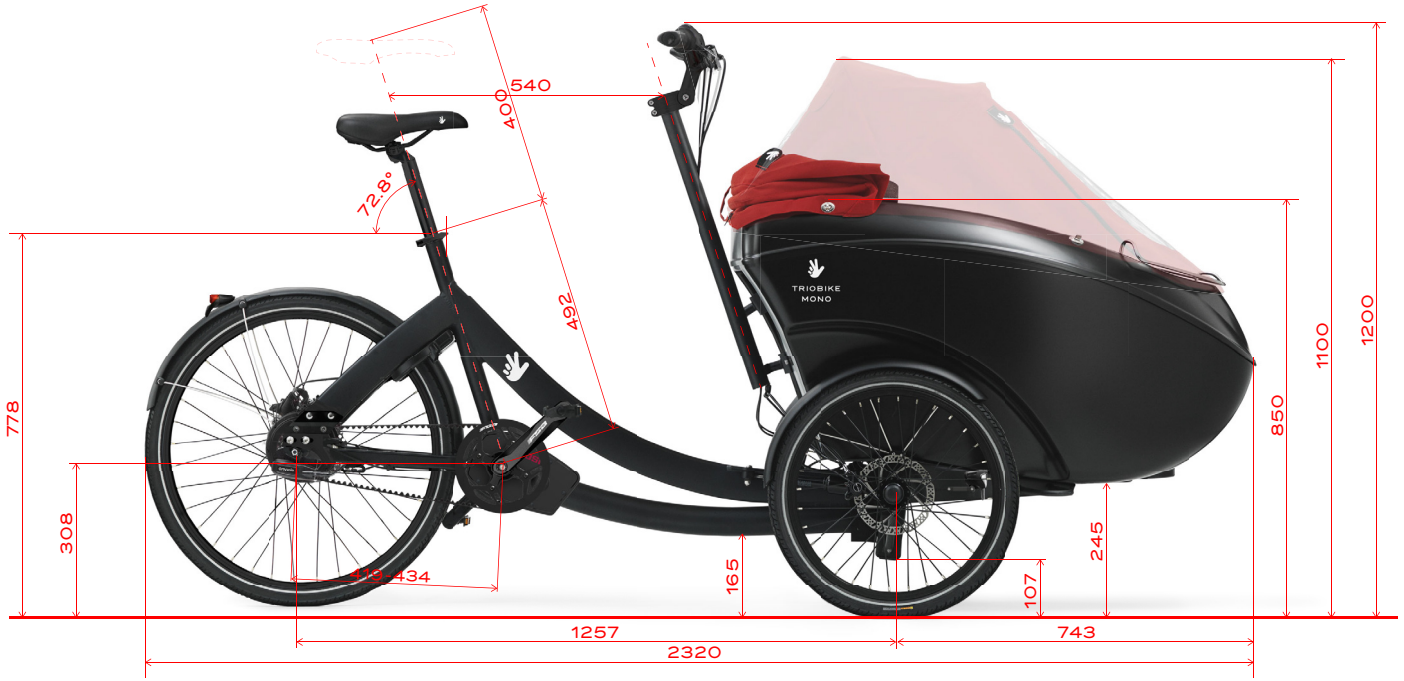
WEIGHT: 43 kg

MAX PAYLOAD ON THE FRONT BOX: 150 kg

MAX TOTAL WEIGHT: 250 kg

MAX OVERALL LOAD (RIDER+PASSENGERS): 207 kg

DIMENSIONS





dimensions in mm

WARRANTY

Limited warranty of manufacture fail of 24 months. This warranty does not apply to gear hubs, brakes and shifters which are covered directly with these manufacturers.

Failure due to accidents, abuse, neglect, normal wear & tear, improper assembly, wrong assembling operation, changes of the original product, improper use and maintenance by any other than authorized bicycle mechanics or use of parts inconsistent with the use originally intended for the bicycle as sold are not covered by this warranty.

The bicycles are intended to be used for city biking. TRIOBIKE shall not be held responsible for any accidents, injury, losses or damage caused by use of the bicycle, being that of responsibility of the owner.

The above limited warranty is conditional upon the bicycle being properly maintained and operated under normal conditions and use.

In case of warranty claim contact the original place of purchase, accompanied by an original bill of sale or proof of purchase that identifies the bike or the frame by the serial number.

Outside Denmark, the original owner is responsible for any and all labour and transportation charges associated with the warranty repair or replacement of all parts.



MAINTENANCE

GENERAL ADVISE

Please remember to have your first check & fine tune after 3 months. Hereafter we recommend a complete service and fine tuning of your bike every year/2000 km. Please consultant your local dealer or local shop.
For specific control point for each service contact your local bike shop - this bike must be serviced only by trained and quilified bike mechanic.
Specific control points for each service: brakes, gears, battery status, spokes, bearings.

TIRES

It's important to have correct air pressure on tires. It improves control and handling, and it doesn't stress tires. Correct pressure is 4.5 Bar (65 PSI).

BATTERIES

Batteries have to be charged every 4 weeks, also when the bike is parked and not in use.
For complete instructions please check the e-system manufacturer manual.

SPOKES

The users must check the tension and eventually tighten the spokes after 100 km. The same operation has to be repeated every month/1000 km.

year/km	operation checklist	dealer stamp
3 months check	brakes gears bearings spokes	
1 year 2000 km 1240 miles	brakes gears bearings battery status tires check chain spokes	
2 years 4000 km 2480 miles	brakes gears bearings battery status tires check chain spokes	
3 years 6000 km 3730 miles	brakes gears bearings battery status tires check chain spokes	
4 years 8000 km 4970 miles	brakes gears bearings battery status tires check chain spokes	
5 years 10 000 km 6210 miles	brakes gears bearings battery status tires check chain spokes	

REPEAT ONCE A YEAR OR 2000 KM (1240 MILES)

EC DECLARATION OF CONFORMITY

Manufacturer: Triobike A/S
Vesterbrogade 149
1620 Copenhagen V - Denmark

Hereby declares that the following product:

Product Name: mono
Function: Transport bike with electric support
Type: mid drive
Year: 2022

- meets all the provisions of the Directive 2006/42 / EC (on machinery);
- meets all the provisions of the Directive 2004 / 108EG (Electromagnetic Compatibility);
- meets the associated battery charger complies with all provisions of the Directive 2006/95 / EC (Low Voltage).

Triobike A/S
Copenhagen, 4 March 2022
Sammy Eisinger (managing director)

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