

HYDROFOILER™ XE-1

QUICK START GUIDE



CYCLING'S NEW FRONTIER.

 PLEASE REVIEW WARNINGS ON BACK PAGE.

TOOL LIST

- 4 mm hex key
- 5 mm hex key
- 6 mm hex key
- 17 mm spanner

1. Charge your battery.



WARNING! - ALWAYS ENSURE:

Battery power is first switched OFF (there should not be an illuminated ring around the switch) and then switch the battery ON.

WARNING! - RISK OF FIRE:

Lithium-ion battery packs can be dangerous if charged incorrectly. Use only the battery charger supplied by Manta5 for charging the Hydrofoiler XE-1 lithium-ion battery.

Do not use the battery charger with any other batteries.

Never connect the charger to an unregulated generator.

Never let a battery be charged unattended. The battery and charger can get hot while charging. Do not charge near any sources of heat, humidity or flammable materials and never cover the charger or battery with clothes or other objects.

The battery will not charge if it is 0°C (32°F) or less and greater than 65°C (149°F).

CAUTION - RISK OF INJURY:

Do not allow children to handle the battery or charger.

1.1 Battery state of charge indications

Once safely connected by ensuring that the red dot is not visible. Now, turn the battery on to charge.

At power on, the switch LED will stay purple for 1 second then the LED will flash and the battery will give an audible ‘beep’.

The number of repeated flashes/beeps indicates the approximate level of charge as per the table below:

BATTERY STATE OF CHARGE	START UP AUDIBLE (BEEPING)	ILLUMINATED SWITCH LED	RIDING AUDIBLE (BEEPING)
0-10%	1	Red flashing	beeping
10-25%	1	Red solid	beeping
26-50%	2	Orange Solid	beeping
51-75%	3	Yellow solid	beeping
76-100%	4	Green solid	beeping

1.2 Battery safety alerts

The battery will communicate safety information through:

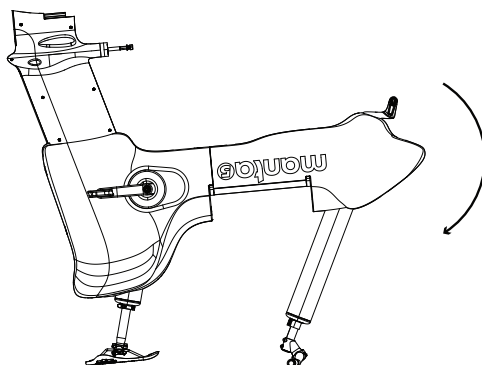
- 1. The battery switch’s illuminated LED flashing; and
- 2. By emitting audible ‘beeps’.

Warnings are indicated as follows:

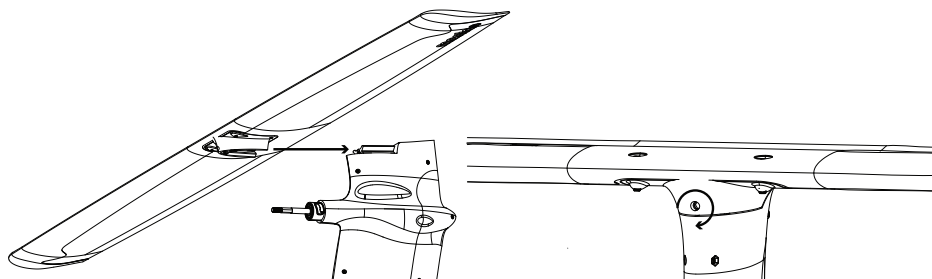
WARNING	ILLUMINATED SWITCH LED	AUDIBLE
Low battery (<10%)	Red, single LED flash, repeating	Single beep, repeating
Motor over temperature	Red, double LED flash, repeating	Double beep, repeating
Battery over temperature	Red, triple LED flash, repeating	Triple beep, repeating
Battery error	Red, quadruple flash off, repeating	Quadruple beep, repeating

Note: Each flash of the LED/beep has a duration of 150ms, a delay of 100ms between consecutive LED flash/beeps and a 1 second-delay before repeating.

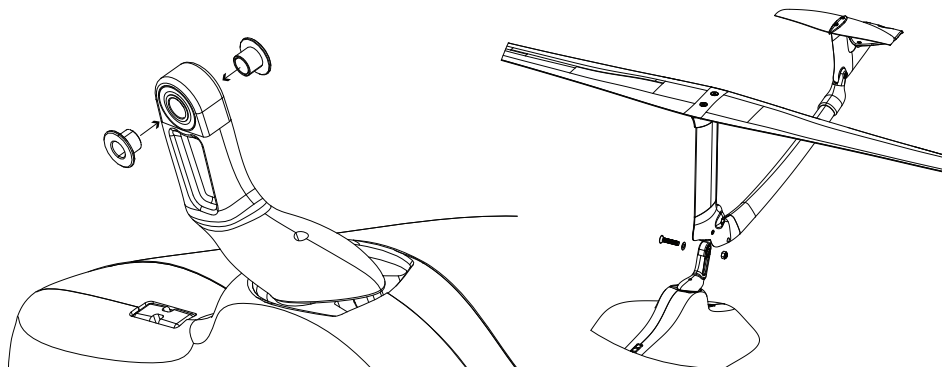
2. Turn bike upside down.



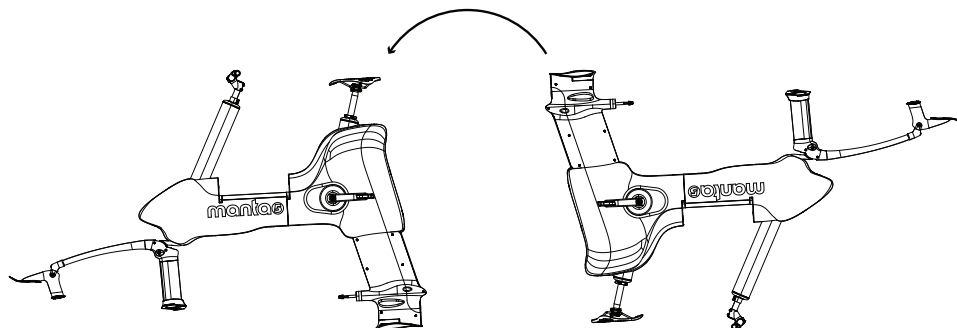
3. Attach rear foil using 6 mm hex key .



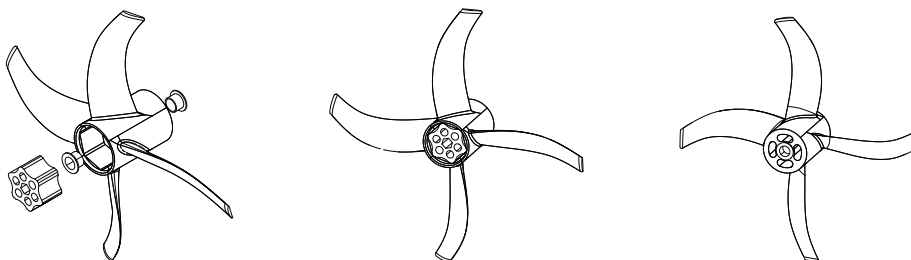
4. Attach the front tiller to the steering fork by tightening the countersunk screw into nylock nut (use 5 mm hex key).



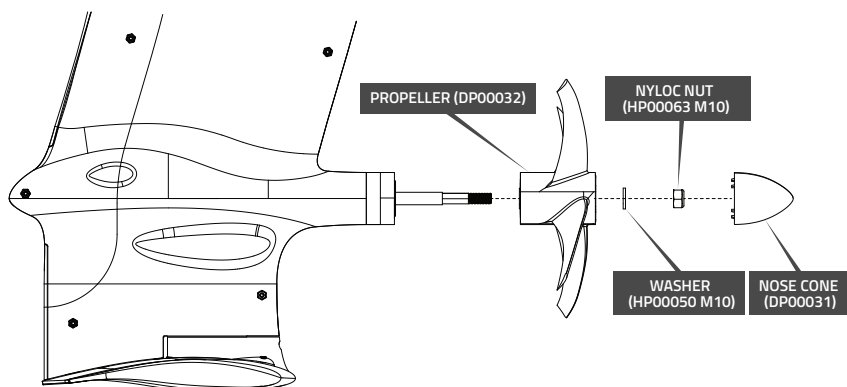
5. Rotate Hydrofoiler into upright position.



6. Check for 'flanged bushings and hex block press-fitted into the propeller.

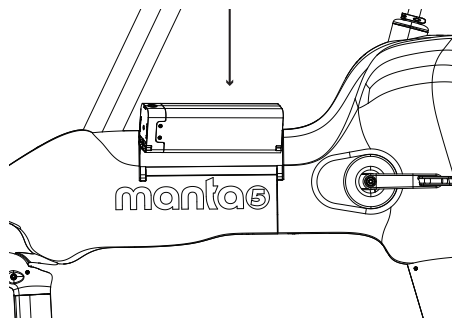


7. Attach propeller using a 17 mm spanner.

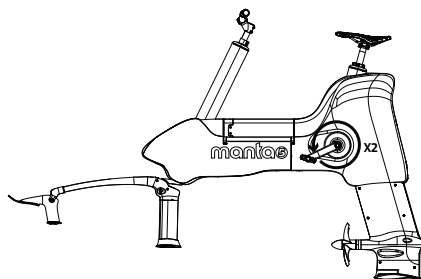




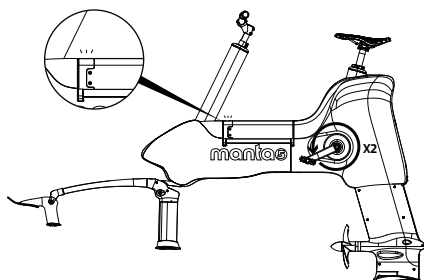
- 8. Install battery** into battery tray and secure using 4mm hex key.



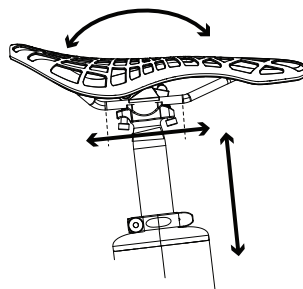
- 9. Perform a function check** - ensure battery is off, turn pedals two full rotations and feel resistance. **⚠️ WARNING: Do not connect the battery without ensuring that the battery is off.**



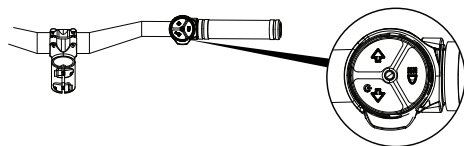
- 10. Next, turn the battery on and re-perform the function check and turn the battery off.**



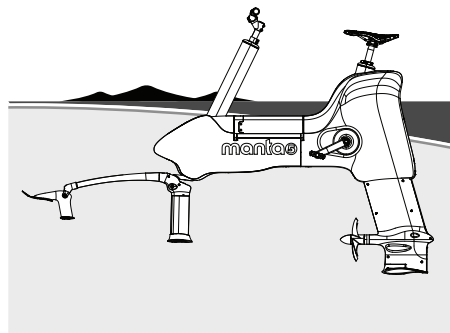
- 11. Check saddle height and stem length.**



- 12. Pair battery with GARMIN® device.**



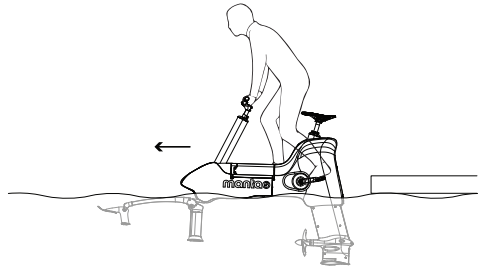
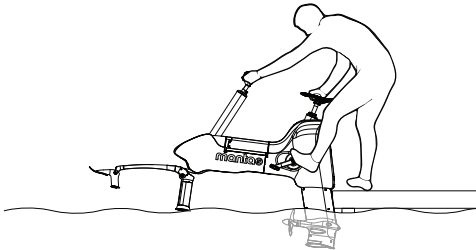
- 13. You're good to go riding!**



1. Bring within 1 m (3 ft) of the Hydrofoiler. Turn battery on.
2. Simultaneously hold down the two keys on the GARMIN® eBike Remote until LED starts alternating green and red. Release keys.
3. Once successfully paired with your Hydrofoiler, the device will flash green 6 times

Platform launch

CHALLENGE LEVEL 

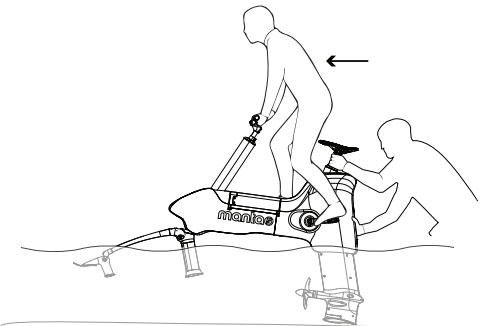
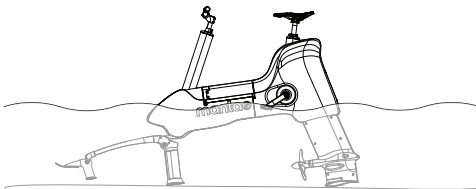


1. Place Hydrofoiler into the water at jetty edge.
2. Using your dominant hand, take hold of the handlebars
3. Poise your non-dominant foot above the pedal.

4. Using your dominant foot, give a big push off from the jetty.
5. The bigger the push, the bigger your grace period to ready yourself for foiling.

Beach Launching- Assisted

CHALLENGE LEVEL 

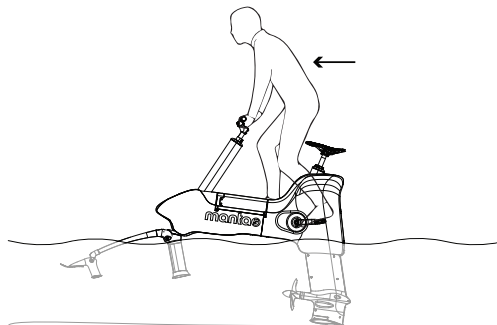
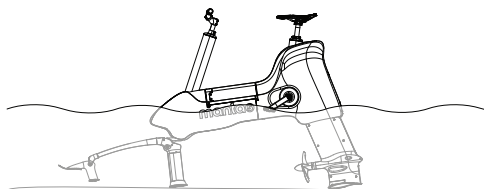


1. Choose a riding location that has a smooth & sandy seabed/ lake floor with a 1.5 ft (0.5 m) draft.
2. Place the hydrofoil bike into the water resting on the foils. The waterline should half way up the front buoyancy.

3. Climb onto the hydrofoil bike frame and shift your weight backwards, lifting the front tiller section off the floor.
4. Have your friend stand behind you, one hand on the seat post and the other on the rear buoyancy. Your friend should give you a big push as you shift forwards and begin pedalling to surface and get foiling.

Beach Launching- Solo

CHALLENGE LEVEL 

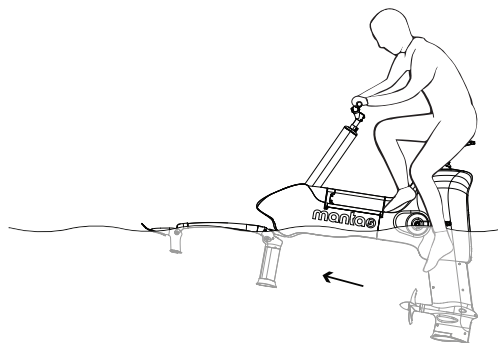
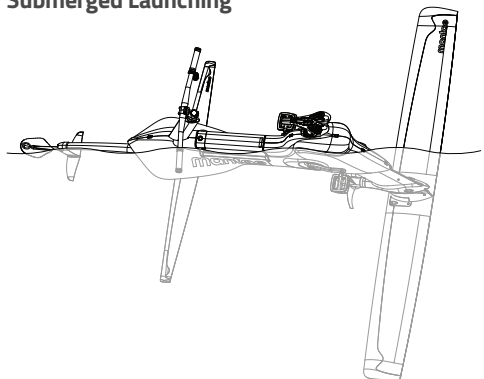


1. Once familiar with the assisted beach launch technique try solo launching.
2. Climb onto the hydrofoil bike frame and once stable, slowly shift your weight backwards, lifting the front tiller section off the floor.

3. Once you find your balance here, begin pedalling as you shift your weight forward launching yourself and the bike to get up and foiling.

Submerged Launching

CHALLENGE LEVEL 



1. Push the bike down under the water keeping it horizontal.
2. Once underneath you, pull on the handlebar and bring these towards your chest.

3. Stepping your foot over the bike, mount it so that you are on the hydrofoil bike under water.
4. Begin pedalling, the nose of the hydrofoil bike will lift and you will slowly rise out of the water and foil.

WARNING

USE OF THIS PRODUCT AND PARTICIPATION IN THE SPORT INVOLVES INHERENT RISKS OF INJURY OR DEATH. TO REDUCE RISKS:

- Ride in water conditions that do not exceed the skills of the rider.
- Riders should remain within reasonable swimming distance to shore at all times.
- Attempting to ride in rough water, or in waves can increase the risk of injury or death.
- Do not use in shallow water or near swimmers or other watercraft.
- Always wear a suitable personal floatation device that is approved by your relevant local regulating body .
- Riders are highly recommended to wear suitable aquatic footwear and swimwear to protect from potential injury.
- Understand and abide by your local maritime regulations.
- When losing control of the bike, push off pedals to fall away from the bike.
- Children shall be a minimum of 16 years of age to operate the bike.
- Never ride after consuming drugs or alcohol.
- Never ride without a suitable communication device or supervision from the land.
- Read the User Manual before use.



WWW.MANTA5.COM