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The Sailing GPS Revolutionizes Sailboat Navigation

Patent Awarded by US Patent and Trademark Office

The Sailing GPS is unique as a low-cost GPS that accounts for the tacking that sailboats do. It can tell you the optimal tacking angles and your Tacking Time to Destination (TTD).

The ETA calculated on standard GPS chartplotters does not account for the fact that sailboats tack back and forth. But if they don't know the distance you will travel, how can they calculate your Estimated Time of Arrival (ETA) correctly? The Sailing GPS solves this problem. It displays exactly how far each tack is, how long it will take to sail each tack, and the optimal tacks to arrive earliest. Pretty amazing.

You can also use Google Maps to easily mark a few waypoints on a computer, and send them through the air to The Sailing GPS with Bluetooth. Much easier than manually entering long strings of numbers for the latitude/longitude of multiple waypoints.

The Sailing GPS can even learn the unique "polar plots" for your individual vessel. This is not just a generic polar plot for all sailboats of a certain type, or estimates from a simulation. The Sailing GPS learns your unique vessel's actual performance on all different points of sail. It can then calculate your optimal tacking routes and Tacking Time to Destination (TTD). Later, you can transfer the polar plot data via Bluetooth to a PC, if you want to see your boat's unique speed profile across wind angles and wind speeds.

SailTimer Inc., the manufacturer of The Sailing GPS, received final patent approval in March of this year for its pioneering R&D. "This technology is a big step forward for sailors" said Dr. Craig Summers, the President of SailTimer Inc.: "People assume that since GPS satellites can pinpoint our location on the Earth, everything shown on a GPS chartplotter must be very accurate. But if you head upwind on a tack, standard GPS units view your tack as cross-track 'error'. They also don't account for tacking distances in your ETA, and even if your speed remains constant VMG decreases all by itself the longer you stay on the tack. In the digital age, sailors need a GPS that displays simple, safe, correct information." The new patent, titled 'Navigational Planning and Display Method for the Sailor's Dilemma When Heading Upwind', was granted by the US Patent and Trademark Office this year, and originally filed in 2006.

Amazing Features for Sailors

The state-of-the-art navigation functions in The Sailing GPS include support for the new wireless, solarpowered SailTimer Wind Vane coming this summer (<u>www.SailTimerWindVane.com</u>). This gives you the option of continuously updating your optimal tacks with real-time wind data (sent through the air by Bluetooth to The Sailing GPS).

There is an explanation of polar plots and other features of The Sailing GPS in these short YouTube demo clips: <u>http://www.TheSailingGPS.com/instructions.html</u>

The Sailing GPS also comes with a free waterproof DryPak soft bag with tie-downs. Unlike smartphones and tablets, The Sailing GPS is just as easy to see in direct sunlight, and with polarized sunglasses on. Plus, the screen is protected by extremely strong Lexan, with no glass to worry about. It has a durable custom-molded polycarbonate case that is scratch-resistant (and UV-resistant for the tropics). Small enough for a coat pocket, or just drop it in your duffle bag in the waterproof DryPak. Much easier than taking an iPad in your dinghy, or trying to protect and view an iPad in the cockpit.

While providing new innovations for sailors, this device is also noteworthy as a consumer electronics product that was developed and has final assembly in North America.

The Sailing GPS displays your tacking angles in a diagram and in degrees for each heading, but is not intended to replace a chartplotter. Nevertheless, even fully-equipped cruising yachts will not have the features provided by The Sailing GPS, including the quick and easy display of your optimal tacks and Tacking Time to Destination (TTD).

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