

The Past, Present and Future of Marine Navigation

Have you ever wondered what the capabilities of today's chart plotters are and why they have changed how we use electronics in racing and cruising?

Paul Cunningham of Marine Electrics will host a presentation and hands-on workshop on getting the most out of your Chartplotter and integrating systems. This presentation will cover both Raymarine and B&G.

Not so long ago, the "wired" sailing boat might have sported a GPS; instruments displaying wind, speed, depth and engine data; a stereo; possibly an AIS monitor; and maybe additional gear at the nav. station down below, all with their own screens and knobs.

Today those stand-alone devices are quickly disappearing, and in their place, manufacturers are rolling out networked instrumentation packages that can increasingly combine -data feeds and display the results on a variety of screens, both on your boat and in your pocket.

The net result is that today's Multi-Functional Devices' (MFD) are far more capable than chart plotters and displays from even five years ago. "We're seeing more features that are built into MFDs as standard equipment. Years ago, this all required individual modules, this added to the costs. Now this functionality is integrated into the MFD. All the core features are there, but they're less expensive."

The brief presentation and demonstration will cover:

GPS navigation devices, history, evolution, current position and an explanation of common terms and their use, are including:

- Charts, use and awareness of errors
- Waypoints. Routes / Tracks
- Creating routes from tracks & Reversing routes
- Navigating to cursor position
- Navigate a route
- Navigating with the autopilot
- AIS on a Chartplotter
- Weather files
- Race Start
- Forward Looking Sonar



This presentation will be relatively brief as the workshop immediately afterwards will concentrate on actual use of the units, with hands-on experience.

The methods for creating routes, waypoints etc. is similar across the range of different manufacturers' equipment, these methods and principles will equally apply to older chartplotters.

The hands-on demonstration of Chartplotter capabilities and limitations with Raymarine and B&G units using chartplotters, wind transducer, compass, AIS receiver

Where: National Yacht Club

Date: Thursday 23rd November 2017

Time: 1930

