

Technology for Sailors *Navigating by laptop, smartphone and tablet*

Mike Bradley

MacBook Air

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| 1. Digital Yacht 'AIS100 USB' receiver | cactusnav.com | £147.00 |
| 2. Digital Yacht charting and display application 'Navlink' | iTunes Appstore | £25.99 |

iPad

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|---|----------------------------|--------|
| 3. 'Dropbox' with downloaded A4 .pdf information | iTunes or Google Play | Free |
| 4. Transas 'iSailor' vector chart plotter app | iTunes or Google Play | Free |
| Charts - in app purchase e.g. whole East Coast of UK | | £20.00 |
| 5. Imray 'Tides Planner' tidal heights and streams | tubaco.com or iTunes | £2.99 |
| 6. 'Starpilot' Celestial sight reduction App with Almanac | starpilotllc.com or iTunes | £39.99 |
| 7. 'Star Walk' Star and planet ID and display app | iTunes | £2.29 |

Ray McGinty

iPad or iPhone

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| 8. Navionics "Boating" charplotter app | navionics.com or iTunes | 1 week free trial |
| UK & Holland vector chart package | | £39.99 |
| Yearly chart updates (optional) | | £12.99 |
| 9. Memory Map app | memory-map.co.uk or iTunes | £0.69p |
| Marine Charts UK & Ireland | | £50 |
| Yearly chart updates (optional) | | £30 |
| 10. Antares Charts | antarescharts.co.uk | £12 |
| 11. Boatie - multifunction app | mojoso.co.uk/boatie/ or iTunes | £4.99 |

John Williams

Own laptop and other hardware

DELL 7404 Rugged i7 Latitude Laptop, IP68 (fully water, dust and drop proof), large SSD disc and 14" touch screen. Various battery backup regimes – 230v and 12v, spare battery - About £2000 new or £700-£900 refurbished from Dell and others – www.astringo.co.uk

Sony Experia Z3 PDA, IP67 water resistant to 1m for 30 mins plus protective enclosure, – On contract from O2

Waterproof charger/backup (fos power) – Amazon about £30

Digital Yacht uAIS receiver – Cactusnav.com

Two water resistant **GPS units** with bluetooth retransmit; Locosys Genie BGT-31 (not now available?) and **QStarx Travel recorder** – about £50 from Amazon

Charting Software

MaxSea TimeZero 3-D charting software with **Jeppeson vector charts** of NW European coasts Greenland to the Med. and east to Denmark, additional precision tidal and current data, weather routing option, high resolution photographs UK and France, inbuilt grib file download from Meteo France and others. – Maxsea.com £469, megawide chart £280

Expedition navigation and racing software (used by most of the world's offshore racers – Volvo etc.) with **C-Map charts** UK and Ireland. Inbuilt gribfile download facility from a wide variety of suppliers e.g. squid, sailgrib, gfs, NEMS, greatcircle, saildocs, Theyr etc. – www.fieldyachting.com £1008, CMap wide £198

Navionics Boating s/w, UK and Ireland, Caribbean and S.America, Eastern Med.

Apps for Android or iPhone – either free or small amounts of £s.

Various tidal prediction sites

Active Captain

Boatie

Drag Queen,

YB Races,

Regatta

Yachts and Yachting

Sailing Rules Guide

Various celestial programs – **Starstruck, Nautical Almanac**

PC Remote app.

Lots of weather and grib file apps – better ones are subscription based e.g. sailgrib

MemoryMap OS map of Great Britain 1:50 (for when you go ashore in remote areas) - www.memory-map.com

Vespa XB - 8000 Watchmate, app free at www.vespermarine.com See also hardware with transponder and local WiFi <£600 from a variety of suppliers.

Software and other downloads

Reeds Nautical Almanac - £20 plus voucher in paper copy

Active Captain (also integrated in MaxSea) – free at <https://activecaptain.com/>

Sight Reduction Tables for Marine Nav. - Volume 5. National Geospatial Intelligence Agency - <http://msi.nga.mil/> - free

OMap - www.ovital.net cross platform map (a bit like Google Earth but can download and store images) – basic version free

Live Ships AIS – marinetraffic.com - free.

Squid Weather - <http://www.squid-sailing.com/en/content/17-squid-marine-weather-software> - free for basic version

Further reading: (or google 'chart plotter software compared')

https://memory-map.com/GPS_Chart_Plotter.html

<http://www.yachtingworld.com/yachts-and-gear/ipad-navigation-apps-tested-61366>