



iKommunicate Developer's Guide (SDK)

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Signal K and iKommunicate Approach Version 1 Release

At the end of this month Digital Yacht will start shipping over 500pcs of their successful, Kickstarter funded, [iKommunicate Gateway](#). In parallel, Version 1 of Signal K, the powerful open source data format for marine data will be released and for the first time developers will be able to access the closed NMEA data found on just about every boat via an open, modern, HTML5 compliant format that mobile, web and cloud based apps will easily be able to support.

With three NMEA0183 ports and one NMEA2000 interface, iKommunicate can

collect and convert all of the marine data on the boat and output this to multiple web sockets as Signal K "Delta" messages. By utilising JSON, the most popular method for modern web apps to exchange data, Signal K can easily be implemented in to your apps and programs. No need to buy expensive specifications from the NMEA, all of the information you need on the Signal K format can be found for free at <http://signalk.org> with application notes, source code examples and technical information on iKommunicate at <https://github.com/digitalyacht/ikommunicate>.

Signal K and iKommunicate represent the biggest change in marine data since the release of NMEA0183 and now is the time for you to evaluate the advantages and opportunities that Signal K implementation could give your software products and services.

DIGITAL YACHT 2021 IS ALL ABOUT NEXT GENERATION NAVIGATION, COMMUNICATION AND ENTERTAINMENT SYSTEMS FOR YOUR BOAT. BOATING SHOULD BE FUN, SAFE AND EASY AND OUR PRODUCTS INTEGRATE INTO EXISTING AND NEW BOAT NETWORKS TO BRING A POWERFUL DIMENSION TO YOUR ON-BOARD ELECTRONICS.

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