

Sneak Preview



Technical information on Digital Yacht's brand new NavDoctor product "For a Healthy marine network"

June 2020

Background

What is **&NAVDoctor**?

YACHT

- World's first wireless NMEA 2000 Diagnostics Tool
- Easy "plug 'n' play" connection to NMEA 2000 network
- No special software required, uses the browser of any mobile device
- Shows devices and data on the NMEA 2000 network
- Health checks the NMEA 2000 network



Features



What can & NAVDoctor do?

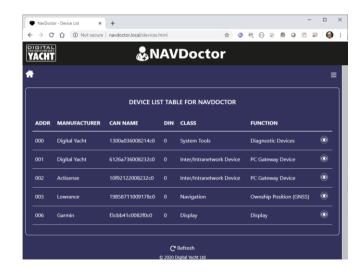
- 1. Display a network Device List
- 2. Query a Device's Product Info
- 3. Shows all PGNs being displayed
- 4. Decodes individual PGNs
- 5. View and log "RAW" data
- 6. Conduct a network Health Check
- 7. Display and print test report



Devices

- Shows the following data:
 - CAN Address
 - Manufacturer (if known)
 - 64 bit NMEA NAME
 - Device Instance
 - Class and Function

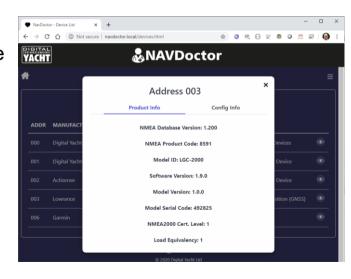




Product Info

YACHT

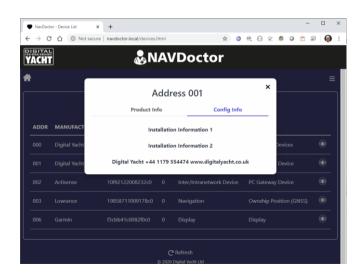
- Click on the "Eye" icon to display the following data:
 - NMEA database version
 - NMEA Product Code
 - Manufacturer specific model, version and serial number
 - Certification Level
 - LEN number



Config Info

- Click on the "Config Info" tab to display the following data:
 - Installation Information 1
 - Installation Information 2
 - Manufacturer's Information

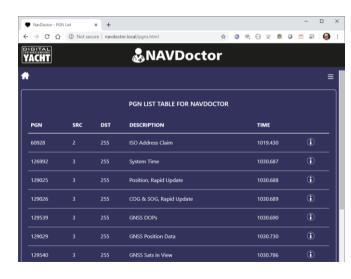




PGNs

YACHT

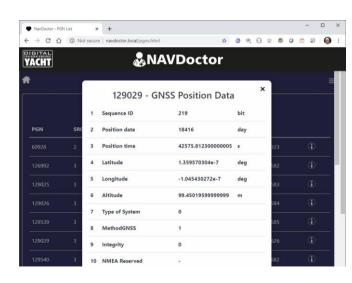
- All of the received PGNs are displayed with the following data:
 - PGN number
 - Source Address
 - Destination Address
 - Description
 - Time Received in seconds
- Click a column heading to sort



Decode PGN

- Click "Info" icon to decode that PGN in pop-up window
- Field Name, value and type of data displayed

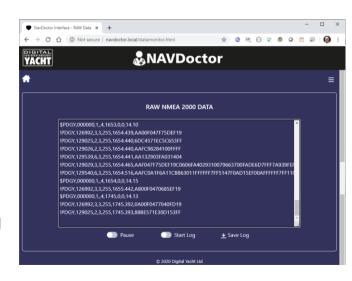




View Data

- All received "RAW" N2Net data is displayed in real time
- Pause button to stop scrolling
- Start Log button stores all "RAW" data in a text file
- Stop Log button closes the log file
- Save Log button downloads the Log file to your mobile device





Health

- NavDoctor carries out a series of health checks on the network:
 - NMEA 2000 Supply Voltage
 - Network Load
 - Dominant Differential Voltage
 - Recessive Differential Voltage
 - Number of devices on network
 - Number, type and rate of Error Frames
 - Bus State





Report

- All key network properties and health checks are displayed in a report
- Installer can enter boat name and who carried out the test
- Installer can print/save/email the report for the customer job record





Settings

- In this page the NavDoctor's access point details can be changed
- Alternatively, NavDoctor can be configured to join another network
- The network data mode can be configured to TCP or UDP – unlikely to be changed
- The NavDoctor's serial number, FW versions and free memory are displayed
- A firmware update can be performed



