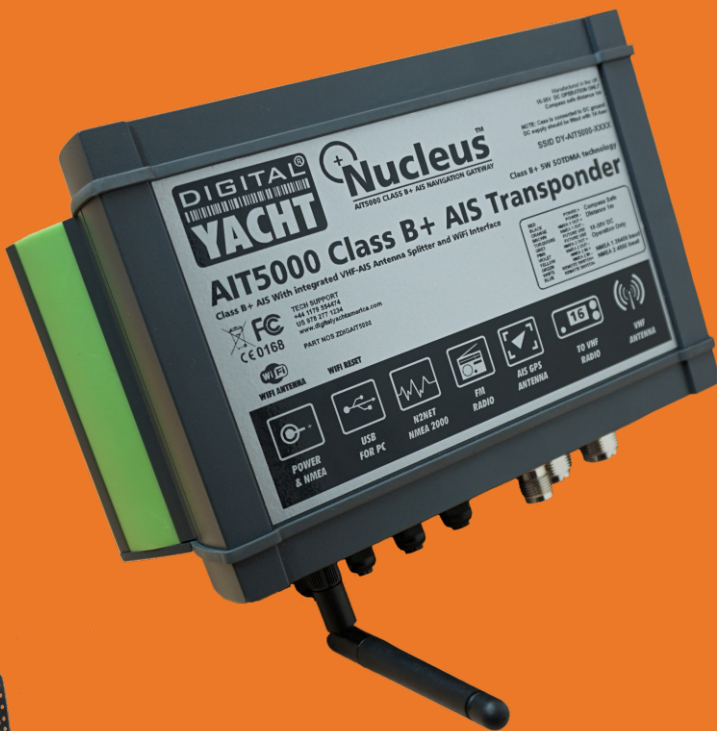


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Digital Yacht Product Guide



- AIS Receivers & Accessories
- AIS Transponders
- Navigation Sensors
- Onboard Networking
- Portable Navigation
- Marine PCs and Apps
- Internet Afloat
- Onboard Entertainment
- Digital Yacht Solutions

Here's a quick overview of our latest products. Digital Yacht systems add features, functionality and value to any marine navigation system. Welcome to new thinking in marine electronics for 2021...



2021 Edition

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AIS Receiver and Accessories

The most extensive range of AIS receivers and accessories with a model to suit every application.

Adding AIS to your navigation system is simple with Digital Yacht AIS receiver products. All units use the most advanced and super sensitive true dual channel parallel processing receivers for exceptional sensitivity. The AIS100 series is available with NMEA, USB or a combi USB-NMEA output on the PRO model for connection to plotters, PCs or MACs. The Pro model also features a NMEA input multiplexer. Add wifi connectivity for tablet or iPad based navigation with our WLN10SM to the AIS100 or AIS100Pro.

AIS Node features a NMEA 2000 interface and is self powered from the NMEA 2000 back bone. Just "T" in and connect an antenna for the easiest of installations. Digital Yacht also offers SmarterTrack Lite AIS viewing software free of charge with every AIS system, turning your PC into a great AIS display. AISNET is an AIS receiver base station with a network port - connect to a router and send local AIS traffic to internet providers like Marine Traffic or even your own local server.

For delivery and charter skippers, a package of PC and AIS100USB AIS receiver with the portable QMax antenna provides a simple solution. Add our SmarterTrack software with Navionics charting and a GPS160USB for a full featured navigation package.

AIS100 Receiver Series



- Advanced dual channel HF AIS receiver technology for best performance
- Choice of NMEA 0183 or USB interfaces (PC & MAC compatible)
- Available with NMEA 0183 multiplexer option on Pro model
- Add wireless connectivity (for iPad and tablet navigation) to NMEA devices with the WLN10SM
- Ultra low power consumption

AISNode - AIS Receiver with NMEA 2000 Interface



- Simple solution to add AIS data to any NMEA 2000 network
- Self powered from NMEA 2000 backbone - just connect to a VHF antenna or splitter
- Advanced HF AIS design for optimum performance
- Supplied with integrated NMEA 2000 drop cable

AISNet - AIS Base Station Receiver with network interface



- Network enabled AIS receiver for base station operation
- High performance dual channel AIS receiver
- Integrated ethernet network controller for supplying AIS data to online AIS websites
- USB Interface for simple plug and play connection to a local PC
- Built-in VHF splitter in option (AISNet +)

AIS LifeGuard - AIS SART MOB Alarm



- World's first dedicated AIS Man Overboard Alarm system
- Operation is automatic, simply connect the two wire NMEA input on the AIS Life Guard to the NMEA output of your AIS and it will listen to all AIS traffic.
- Listens to AIS data on NMEA0183 Input
- Alarms when AIS SART message 1 and 14 are detected
- Internal 95dB buzzer

SPL1500/2000 AIS VHF Antenna Splitter



Patented zero loss technology lets you share your main VHF antenna with the VHF radio, FM radio and AIS receiver or transponder.



GV30 AIS VHF GPS Antenna

The GV30 is a combination of VHF and GPS antenna with twin coax feeds (10m) (antenna mounting base not included).

Very good performance specifically tuned to 162MHz (AIS frequency).





AIS Class B & Class B+ Transponders

Wake up your chart plotter with Digital Yacht AIS Transponders for every application

Automatic Identification System (AIS) is the name given to an international maritime communications protocol developed back in the late 90s. AIS is now one of the most widely used and significant navigation safety technologies since the introduction of radar.

Digital Yacht have the most extensive range of AIS products from any manufacturer with AIS receivers and Class A/B transponders available together with a full line up of accessories such as alarms, antennas and splitters.

With AIS you'll bring your plotter and navigation systems to life with a dynamic overlay of AIS targets and a clear indication of their identity and heading. The system provides a step change in navigational situation awareness, security and a great basis for social boating to identify your friends and fellow boaters.

There are 3 types of AIS transponders: Class A, Class B and Class B+. They all interoperate:

Class A AIS Transponder must have a dedicated (and type approved) display to show the location of nearby AIS targets and transmits at 12.5W. Data is sent at up to every 2 seconds depending upon the vessel speed and the display also allows for data to be inputted to the transmission such as vessel destination. A Class A device is normally used on commercial vessels.

Class B AIS Transponder is for recreational craft installation and is a simplified, lower powered 2W transceiver which is normally a black box and uses a connected chart plotter to display local AIS targets. It transmits every 30 seconds regardless of vessel speed and can't transmit additional data like destination port.

Class B+ AIS Transponder (also called Class B SOTDMA) is a new standard that utilises SOTDMA format transmissions which offer a 5W power output (2.5 x more powerful than a regular Class B), a guaranteed time slot for transmission in busy traffic areas and faster update rates depending upon the speed of the vessel.



Watch your navigation system wake up with Digital Yacht AIS products



iAIS is an iPhone & iPad app that can now utilise Navionics charts as an optional "plug in" layer.

Check out NavLink too and literally thousands of 3rd party compatible apps.

AIT1500/1500N2K Class B AIS Transponder



- Built in GPS Antenna
- Models available with either NMEA0183 or NMEA2000 interface for simple connection to AIS compatible chart plotters
- AIT1500 model takes power from a 12/24V operating system and the AIT1500N2K model is self-powered from the NMEA2000 network itself
- USB interface

AIT2000/2500 Class B AIS Transponder



- Two industry standard NMEA 0183 outputs, N2NET connector for plugging in to an NMEA 2000 network and a USB connection
- Remote silence button option
- AIT2500 model is a Class B+ transponder based on SOTDMA (self organised TMDA) messaging that guarantees an AIS transmission time slot.

AIT3000/5000 Class B AIS Transponder



- The most complete AIS Transponder
- Integrated and patented ZeroLoss VHF-AIS antenna splitter
- NMEA 0183, NMEA 2000, USB and WiFi server
- AIT5000 model is a Class B+ transponder based on SOTDMA (self organised TMDA) messaging that guarantees an AIS transmission time slot.

iAISTX/iAISTX Plus Class B AIS Transponder



- Class B AIS transponder with WiFi interface for phones, tablets and PCs
- NMEA 2000 interface in option (iAISTX Plus)
- Supports latest target types such as ATONs and AIS MOB devices
- Latest HF AIS technology for superior performance
- Built-in web interface for easy configuration and installation

Find out more online

DIGITAL YACHT APPLICATIONS GUIDE 2021



A complete range of smart and innovative instrument sensors

Positioning is a navigation fundamental and Digital Yacht's TriNav™ GPS160 is a new, high performance positioning sensor using GPS, Glonass and the new Galileo satellite systems. Our TriNav technology is used to combine signals from all three systems to compute the best possible fix accuracy and reliability. Galileo is the new global navigation satellite system (GNSS) that has been developed over the past two decades.

Typical accuracy is better than 1m and data can be set to output at up to 18Hz for smoother plotter track displays. TriNav™ software technology also improves positioning vulnerabilities that could occur through spoofing and local interference. The device can be field programmed for a variety of modes such as single GNSS operation (eg Galileo only) as well as output configurations such as update rate, NMEA sentence structure etc.

The GPS160 is available with a NMEA 0183 output (4800, 38400 and 115200 baud programmable) and a USB variant for PC, MAC and Linux. For NMEA 2000 systems, a bundle is available with a Digital Yacht iKonvert NMEA 2000 gateway. The GPS160 wireless GPS antenna version is supplied with Digital Yacht NMEA to WiFi gateway for wireless navigation and the GPS160 SeaTalk version is supplied with Digital Yacht SeaTalk1 to NMEA0183 converter. The GPS160 also supports a simple external MOB (man-over-board) switch or device. When activated, the GPS160 creates a "synthesised" AIS SART MOB message on its NMEA output which can be interfaced with a local plotter for MOB identification.

Accurate fluxgate compass heading data remains a fundamental parameter for marine navigation and the HSC100 uses fluxgate technology to deliver heading data for on board systems. Typical applications include enabling course up and true motion type displays on chart plotters, radar overlay onto electronic charts and stabilisation of radars when used for MARPA/ARPA target tracking.

WindSense from Digital Yacht is a new wireless wind system designed to allow iPads, tablets, SmartPhones and PCs to display accurate apparent wind speed and direction. It features a high quality, precision mast head sensor with 20m cable that connects to a below decks interface unit creating a wireless and NMEA 0183 wired connection. Existing NMEA compatible sensors can also be connected to the NMEA input to allow the wireless network to share other available on board instrument data.

WindSense



- Wireless wind system for iPads, tablets, SmartPhones and PCs to display accurate apparent wind speed and direction
- High quality, precision mast head sensor with 20m cable that connects to a below decks interface unit providing a WiFi and NMEA 0183 wired connection
- Full range of apps for iOS & Android plus compatible with multiple PC and MAC apps
- Support for up to 7 WiFi connected devices

Smart Sensor



- Depth, speed, and temperature signals are processed inside the sensor and can be displayed on any radar or chart plotter
- NMEA0183 version and NMEA2000 version available
- 235 kHz frequency prevents mutual interference with other echosounders on the vessel

GPS160 TriNav GPS/Glonass/Galileo Sensor



- 72 channel GPS, Glonass and Galileo GNSS positioning receiver
- Typically sub 1m accuracy with TriNav™ technology
- Can be configured as dedicated GPS, Glonass or Galileo only device
- Sophisticated anti-spoofing algorithm for robust positioning performance
- User/field selectable 4800, 38400 and 115200 baud operation through simple internal DIP switches
- Available in NMEA2000, NMEA0183, Seataalk, USB and WiFi version

HSC100 Fluxgate Compass



- High Speed (10HZ) NMEA electronic fluxgate compass sensor
- Ideal for use with radar overlay and MARPA target tracking systems
- Industry standard NMEA 0183 "HDG" output
- Gimballed to 45°
- New "Rate of Turn" version of the HSC100 now released for Class A transponders (HSC100T)



On Board Networking

Digital Yacht interfacing products provide smart and cost effective solutions for connecting equipments together

iKommunicate is an intelligent NMEA gateway device that allows traditional boat navigation systems to be part of the "Internet of Things". By converting data from the "closed" industry standard NMEA networks found on most boats to Signal K the new "open" HTML5 based internet ready data format, a whole new world of social and connected boating will now be possible. Traditionally marine electronic systems talked to each other via the industry standard NMEA0183 and newer NMEA2000 networks. With the release of Signal K, a new open data format for boats, all of this is about to change and it will suddenly become very easy for developers to read and use the NMEA data. iKommunicate is driving this change, as the first NMEA to Signal K gateway product that will connect to the NMEA networks and convert all of the data in to the new Signal K format. iKommunicate's Ethernet (RJ45) connection, allows it to be connected to the boats wired/wireless network so that any mobile device connected to the network can display the Signal K data in its browser or compatible app.

The iKonvert NMEA 2000 to NMEA 0183 Gateway/Converter is an intelligent and flexible gateway. Therefore allowing for new NMEA2000 equipment to talk to legacy NMEA0183 equipment. Conversions are bi-directional. For example, you may want to get the data from older NMEA0183 sensors on to your NMEA2000 network. Another reason being you have a new NMEA2000 only MFD and want GPS and Navigation data sent to your older NMEA0183 VHF and Autopilot. iKonvert can be used to accurately and intelligently carry out the required data conversions.

The SeaTalk* to NMEA (ISO) gateway is a small but powerful interface that provides bi-directional conversion between a SeaTalk network and an NMEA 0183 network or device. Taking its power from the SeaTalk network, the ST-NMEA gateway features a protected SeaTalk 1 interface, an opto-isolated NMEA 0183 input and differential NMEA 0183 output that allows key navigational data to be reliably shared between the SeaTalk and NMEA 0183 networks. USB version also available.

NMEA 2000 has now become the de-facto standard throughout the marine electronics industry for interconnection of devices. The NMEA 2000 starter kit allows for up to 3 devices to interconnect - say AIS, plotter and autopilot and comes complete with terminators, multi connect block, 1m drop cable and a power cable. It uses the high quality, nickel plated metal style connectors rather than the cheaper plastic type which can prove unreliable. The backbone is formed from a unique 6 way extension block with ports at each end that accommodate the terminators. This allows for a really neat and compact installation - ideal for behind the helm. The connection system will work with all leading brands and can be expanded using standard components as required.

NMEA 2000 Cabling Starter Kit



- Everything you need in one box
- Smart 4-Way T-Piece "Backbone"
- 1m (3ft) Power Cable with in-line fuse
- 1m (3ft) "Drop Cable"
- Pair of removable network terminators
- Allows three devices to be connected
- Standard "Micro C" connectors make it very easy for future network expansion

SeaTalk to NMEA/USB Adaptor



*SeaTalk is a registered trademark of Raymarine

- Small but powerful bi-directional converter
- Powered from the SeaTalk network
- Features reliable multi-stage transistor SeaTalk interface
- Opto-isolated NMEA0183 input and differential NMEA0183 output
- USB version is compatible with all versions of Windows, OSX and LINUX

iKommunicate - Universal NMEA Gateway



- The World's first NMEA to Signal K Gateway
- 12/24v DC Powered
- NMEA2000 Certified Gateway with Integral drop cable
- 3x Opto Isolated NMEA0183 Inputs and 2x Differential Outputs
- Signal K compatibility for easy app development
- Comes pre-installed with some Signal K Web Apps

iKonvert NMEA2000 to NMEA0183 converter (or USB)



- Small but powerful bi-directional NMEA 2000 to NMEA 0183 Converter
- Powered from the NMEA2000 network
- Converts AIS, GPS, Navigation, Instrument and XDR data
- USB model features an integral USB cable compatible with all popular operating systems



Portable Navigation

Integrate smart devices like iPads and tablets into your boat's navigation system

At Digital Yacht we define Portable Navigation as being able to use a laptop, tablet, smartphone for navigation and mapping. With the rise of technology, portable navigation is becoming more and more common.

Navigation/mapping applications and software are more and more popular and numerous for Android or Apple products and now most of them support NMEA data allowing your tablet, smartphone, laptop to become a complete and trusted navigation system. By connecting an NMEA to WiFi adaptor or an NMEA to USB adaptor, your navigation software or iOS/Android app will be connected to your navigation system (chart plotter, instruments, autopilot, AIS, etc.). Then, your software or navigation app will display in real time AIS targets, GPS and Wind information.

There are numerous benefits of using an iPad or tablet for navigation. Obviously, the financial aspect is the most important for portable navigation, where a simple system allows you to get all navigation data on your mobile devices. With most people already owning a tablet or smartphone, the user only needs to purchase the product needed to transmit the data to these devices.

Tablet navigation also gives the user the ability to greatly improve their electronic system and utilise a navigation system with unlimited functions. If a chart plotter is already owned, customers can connect their existing plotter system to a product that will broadcast NMEA data wirelessly. This works with all major brands including Raymarine, Navico, Furuno, Garmin, etc.

In addition to navigation and cartography, having an iPad, Tablet or Smartphone on board allows you to connect to the internet (if you have access) and therefore check your emails, surf the internet, Youtube, Facebook, etc.

Our products are compatible with all popular navigation apps & software!



Choose the NavLink iOS app for realtime navigation with detailed charts, AIS overlays and instrument displays.



AISConfig is a free AIS app that can connect to the latest range of Digital Yacht Class B AIS Transponders to configure boat details (MMSI number, Boat Name, etc.), monitor transponder status or switch it in and out of "Silent Mode".

NOMAD Portable AIS Transponder



- Opens up new "portable navigation" market with the 1st portable Class B AIS transponder
- Applications include charter and delivery skippers, pilots, tenders and back up for main systems
- Powered via USB
- Wireless interface for iPad, tablet or PC/MAC
- Built-in high performance GPS

WLN10 Series NMEA0183 to WiFi Servers



- NMEA 0183 to WiFi server (4800 baud or 38400 baud)
- Three input NMEA 0183 to WiFi Multiplexer with WLN30 model - Multiplexed data transmitted over Wi-Fi and NMEA 0183 output
- Set baud rate, SSID and password through web interface
- Supports both UDP (for multiple connections) and TCP/IP Interfaces

iKommunicate plus iKConnect Router Bundle



- NMEA to WiFi server
- Multiple NMEA 0183 inputs and NMEA 2000
- SD card for data logging and webservice applications
- Password protected WiFi and LAN wired connections
- Signal K compatibility ("open" HTML5 based internet ready data format) for easy app development

NavLink 2 NMEA2000 to WiFi Server



- NMEA2000 to Wifi gateway
- Self powered from NMEA 2000 bus – fits in seconds
- Supports TCP/IP and UDP connection modes
- Provides AIS, navigation and instrument data to all popular apps (Compatible with Windows, Linux, MAC OS, iOS and Android)
- Up to 7 connected devices
- Password protected



Marine PCs & Applications

Utilise a PC for navigation, communication and entertainment with Aqua Compact Pro

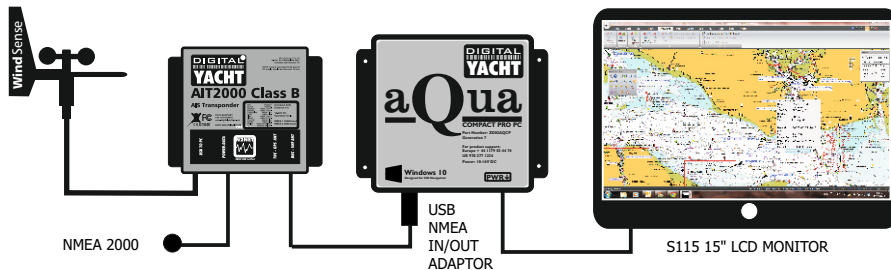
Thinking about adding a PC to your boat? Digital Yacht's new Aqua Compact Pro PC really does fit in the palm of your hand! Space is always at a premium on board and despite its slimline 11.5 x 11 x 5 cm dimensions, the Aqua PC packs in a powerful 8th generation Intel Core i3 processor with exceptional graphics performance for the latest 3D charting and HD navigation programs. It's the perfect partner for applications like Maxsea TimeZero – even with radar and 3D overlays.

So why a PC on board? The number one, compelling reason to add a PC to your boat's navigation and communication system is amazing value. There's no doubt that a dedicated chart plotter is ideal for use at the helm where it needs to be waterproof and compact. But below decks, a PC can offer big screen performance at a very attractive price compared to a dedicated large screen multi-function display. Of course, a PC and chart plotting software can also be your only electronic navigation device, just integrated to the GPS and instruments via a simple NMEA interface.

A PC also offers more powerful functionality than a dedicated MFD with the ability to install software for lots of applications from navigation to entertainment, email communications, weather and internet connectivity. PCs are also up-dateable as new applications become available.

Any why not a laptop? They are simply not designed for the hostile marine environment and consume large amounts of power. It's a much neater solution to have a dedicated PC and dedicated display both in terms of functionality and reliability. However, if you're chartering a boat, a laptop may be the answer and our SmarterTrack Express Pack with software and an advanced DualNav plug 'n play positioning sensor makes portable navigation easy.

Typical PC System Integration



This system builds on a basic PC package and includes AIS (Class B transponder) plus a WND100 wind transducer integrated for wind speed and angle information. SmarterTrack software offers an advanced AIS display with colour coded targets and alarms for CPA and TCPA. The AIT2000 also allows interfacing to traditional chart plotters with a NMEA 0183 and NMEA 2000 interface. There is also a GPS NMEA output for DSC VHF's.

Aqua Compact Pro PC



NMEA 0183 to USB adaptor For easy PC connectivity



- The perfect solution for demanding navigation applications like MaxSea/Nobeltec TimeZero
- Direct 12v DC Operation
- i3 7100U processor
- 8GB DDR4 2133MHz SO-DIMM memory and 120GB solid state drive
- Dual display outputs – full size HDMI and USB C
- Bluetooth 4.2 and Dual Band WiFi built in
- 4 x USB 3 ports with charging mode on front panel port
- Windows 10 operating system
- Micro SD slot – ideal for Navionic's cards with our SmarterTrack PC navigation software

SmarterTrack Navigation Software



- Simple yet powerful PC Navigation software
- Supports Navionic's Gold or Platinum chart cartridges
- Now compatible with Navionics Smart Charts
- Excellent AIS support
- Full set of configurable alarms
- Displays tidal height and tidal flow data - Optimum departure time
- All route and waypoint data created on SmarterTrack can be transferred to your dedicated chart plotter
- Displays all NMEA 0183 instrument data
- Allows import of downloaded weather GRIB files



Internet Afloat

High power, long range WiFi for your boat offers speedy and affordable internet access afloat

More and more boaters want access to the internet afloat. Marinas and ports as well as a large number of cafes, hotels, restaurants and service providers offer wi-fi connectivity but you may just miss that vital connection if you're moored or anchored away from the dock – especially if you're below decks about to enjoy a movie or catch up on email. Digital Yacht offer a range of WiFi "boosters" capable of offering access to hotspots even when several miles offshore or away from port.

The sophisticated WL510 is a two part hi-power wifi access system comprising high gain external antenna and below deck modem and amplifier. The WL510 allows boat owners to connect to Wi-Fi hot spots so that their on board PC's or equipment can connect to the internet. With internet connectivity on board you can download the latest weather or chart updates as well as having a mobile office on board. Most harbours and ports have either free or subscription based services available. The system has a compact, DC powered below deck mounted 600mW booster/modem and external, hi-gain (12dBm) Antenna with 10m (33ft) low loss LMR400 coax interconnect cable.

The WL510 modem connects to an on board PC through a regular RJ45 CAT5 network cable for simple driver free installation. Connect the WL510 to a router and everyone on board can share the long range wireless internet connection. Compatible with all popular operating systems; Windows XP/Vista/7, Mac OS X 10.3 (and higher) and LINUX, the WL510 supports 802.11b/g protocols as well as WEP/WPA/WPA2 encryption. Wi-Fi range depends on many local factors, but Digital Yacht has seen ranges of up to 4-6 miles with this low cost system. In general, using an internal Wi-Fi adaptor typically found on a notebook, you'll be lucky to find the signal at the end of the dock, so if you plan to access the internet whilst on board, the WL510 could be the solution for you. The WL510R version features an integrated router for a neat one box solution.

WL510 Hi Power WiFi Access System

- Ideal solution for permanent installation and new builds
- Network Interface for connection to one PC or to a Router for shared long range connection
- Easy to setup and control from any browser through web based interface
- Adjustable (up to 600mW) Wi-Fi modem and high gain (12dBm) omnidirectional
- Antenna gives ERP up to 4W
- Supplied with threaded deck mount for Antenna and 10m of low loss
- 10 (33ft) or 20M (66ft) LMR400 coax cable
- Supplied with 1m network cable - can be extended with any CAT5 network cable (up to 50m)
- Requires connection to boats 12v DC supply
- Built-in WiFi router in option (WL510R)

WL60 WiFi Booster



- Features a 100mW modem built in to a hi-gain (8dBm) 60cm (2ft) antenna with a 5m (16ft) USB cable that should boost your Wi-Fi range to over 0.5 mile in perfect conditions.
- Quick and easy installation with four suction cups, the WL60 is an ideal temporary mount Wi-Fi solution for boats, caravans, RVs etc.
- USB bus powered
- Windows XP/Vista/7/8/10 compatible
- Compatible with Mac OSX, including the latest Mavericks 10.9
- Not compatible with Mac version above the 10.10 (it works with the iKConnect)

iKConnect WiFi Router



- 12v DC Powered Wireless Router
- Simple to use Web Interface for setting up and connecting to hotspots
- Pre-configured and optimised for connection to Digital Yacht's latest WL60/510 long range Wi-Fi Adaptors
- Ideal accessory to our iKommunicate Gateway to get Wireless Signal K or NMEA data
- When connected to WL60/510, will allow the long range internet connection to be shared with everyone on board
- USB interface for WL60 and a WAN connection for WL510



Internet Afloat

4G Connect - Fast long range LTE internet afloat

4G Connect is a new 2G/3G/4G (LTE) internet access solution for use afloat. It utilises the latest MIMO technology with dual antennas for fast, long range access and incorporates a full function wifi router so multiple devices can connect wirelessly. There is also a wired LAN port and WAN port - for connection to high power wifi devices or satellite modems.

4G Connect is available in two variants - The Standard model has built in antennas which will provide good performance when in port. The Pro model ships with two external hi gain antennas for exceptional long range performance and is the recommended solution for use afloat.

4G Connect has an easy to use interface. It is SIM unlocked so users are free to use any cellular provider they choose but we recommend a Vodafone solution for the UK as it offers the best maritime performance.

Operation is simple - turn on, connect to the password protected wifi hotspot that 4G Connect creates and your device is online.



4G Connect Pro Model

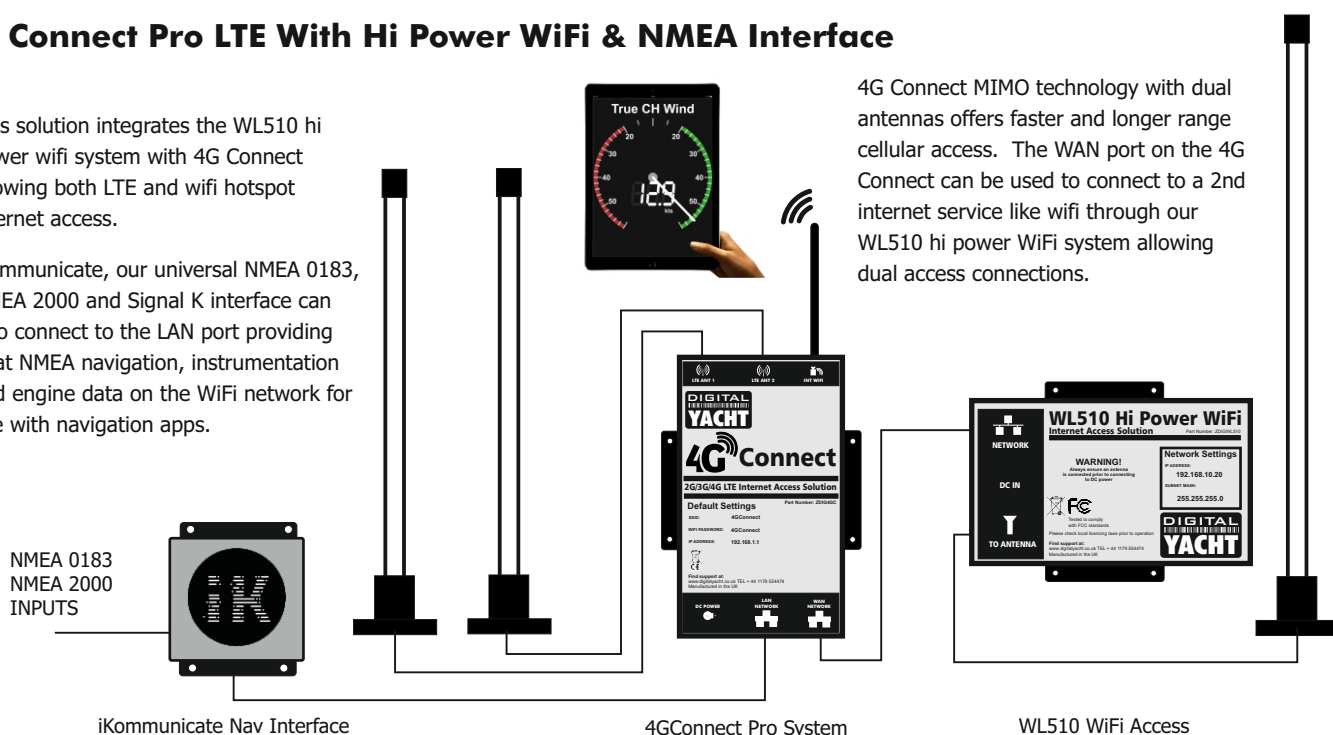
- Hi performance 4G/LTE modem for exceptional speed and range with fall back to 2G/3G
- SIM unlocked for any network provider
- Pro model supplied with 2 x high performance external 48cm Antennas for optimum speed and range
- 7m low loss LMR 200 cable kit included
- Supplied with deck base for Antennas (as shown)
- LTE Class 3 modem offers long range and up to 70Mbps speeds
- Recommended solution for offshore use and non GRP vessels
- WiFi router for tablets and phones
- 12V DC operation with <5W power consumption
- Optional 1" base adaptor available for Antennas
- Optional 10 (33ft) & 20m (66ft) LMR400 assemblies

4G Connect Pro LTE With Hi Power WiFi & NMEA Interface

This solution integrates the WL510 hi power wifi system with 4G Connect allowing both LTE and wifi hotspot internet access.

iKommunicate, our universal NMEA 0183, NMEA 2000 and Signal K interface can also connect to the LAN port providing boat NMEA navigation, instrumentation and engine data on the WiFi network for use with navigation apps.

4G Connect MIMO technology with dual antennas offers faster and longer range cellular access. The WAN port on the 4G Connect can be used to connect to a 2nd internet service like wifi through our WL510 hi power WiFi system allowing dual access connections.





DTV100 Series Hi Performance Digital TV Antenna Solutions

The new DTV100 HD TV antenna from Digital Yacht allows you to access the latest generation of digital "over the air" TV services on board. With a super sensitive design and hi gain amplifier, it sucks in even the weakest of signals. It's omni-directional too so there's no complicated aligning plus it will provide a feed for a FM stereo radio.

TV on board is a new "must have" especially with a big choice of free to air channels for all elements of entertainment, news, weather and sport. This low cost antenna opens a new market for reliable marina and anchorage reception without the expense of stabilised satellite based systems.

What the tech experts say...

"Digital Yacht contacted us because they thought they had a winner with their new TV antenna. We hear this type of thing a lot. But since our TV antenna for local over-the-air reception never worked well, we told them that we'd buy one under one condition: if we weren't blown away, we'd return it.

We've had it for a week. It is so much better than anything we've ever had onboard. It's pulling in many stations and keeping them solid. If your previous TV antennas didn't work well, you'll love this one. And no, we're not returning it." Active Captain.

System Thinking - Internet TV on board



Systems like 4G Connect and the WL510 hi power wifi solution can bring the realm of online entertainment onboard thanks to fast internet access. Use them to stream entertainment services like Netflix, Spotify and iPlayer for TV, films music and more on board.

Streaming services can use large amounts of data so make sure you have an appropriate plan or use wifi internet hotspots with our high power WL510 solution.

PCs for Entertainment

The Aqua Compact Pro can also be used as an on board entertainment server with excellent audio and video play back capabilities. Dual screen support allows a chart table based monitor and a large saloon TV to be connected. Windows 10 provides excellent media playback services or it can be configured with a dual boot Windows-Kodi media server setup.

DTV100 Series Hi Performance Digital TV Antenna

- Very high performance omni directional marine TV antenna with global reception capability of latest DVB/HDTV signals
- Vertical and horizontal antenna elements for unrivalled reception
- TV and FM radio outlet on below deck mounted amplifier with -7dB to +29dB gain
- Pole or standard 1" adaptor mounting ability
- Just 280mm diameter - supplied with 10m/33ft coax
- Dual out TV amplifier and 20m (66ft) antenna cable (DTV200)



PA-30 Adjustable Deck Base

PA-40 Deck Mount For DTV100

PA-82 Mast Mount For DTV100



The DTV100 is designed to clamp to a 1-1.25" tube and is also supplied with a 1" thread adaptor to allow fitting to any industry standard base or mount such as these here. The PA82 is ideal for mast mounting.



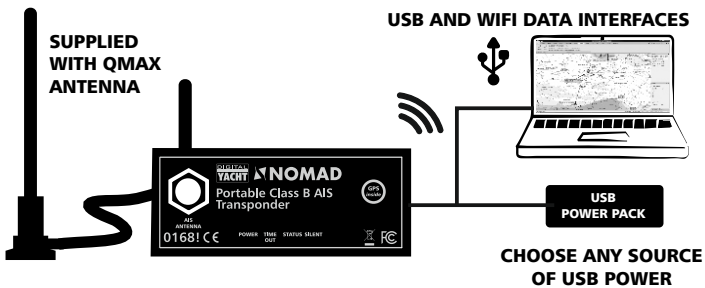
Digital Yacht Solutions

System Packs from Digital Yacht

Building a system with Digital Yacht is easy with these Digital Yacht Solutions ideas. Integrate AIS, sensors, internet connectivity and iPads or tablets for a true wireless navigation and communication solution for your boat. Add a PC with software for below decks, chart table or bridge navigation. Use our range of interfaces to act as a gateway between legacy and current networked systems. DY Solutions make it easy to integrate 3rd party products too.

Digital Yacht can help build AIS Solutions where we can offer Class B transponders for multiple applications from jetski and tender tracking right through to iPad and tablet based navigation with our AIT3000. PC Solutions provide a powerful yet value based big screen navigation solution integrating our AIS and sensor products with Aqua Compact Pro and our Navionics based SmarterTrack software. iSeaSense is the systems approach for our range of instrumentation sensors which now includes GPS, depth, speed, wind and compass. These can now be integrated into NMEA0183 and NMEA2000 systems and provide a complete on board solution with tablet and PC connectivity too.

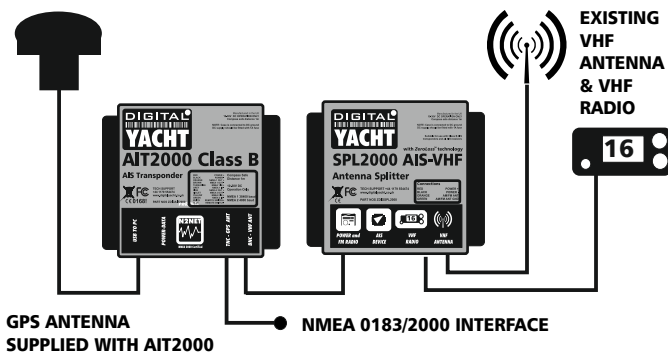
NOMAD Portable Class B AIS Transponder



Nomad is a full function Class B AIS transceiver (transmit and receive) with built in wireless interface designed to allow iPads, tablets, smartphones and PCs to become a full function navigation device with a compatible app.

It's self powered from any USB style connection so can be used with 3rd party USB battery packs, PCs or a simple USB 12V cord as a totally portable AIS transponder. With a built in GPS, it will provide the application with GPS and AIS data for real time navigation as well as transmitting AIS data to other nearby vessels.

AIT2000 Class B AIS with ZeroLoss VHF AIS Antenna Splitter

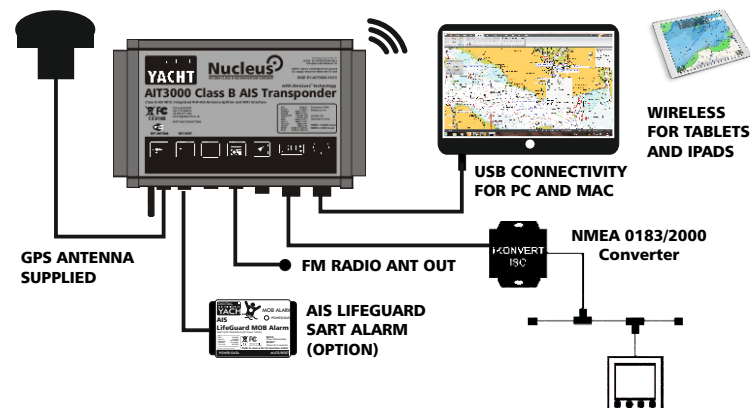


The AIT2000 comes complete with an external GPS antenna so is suitable for mounting on all types of boat. It has NMEA0183 and NMEA2000 interfaces as well as a USB PC/MAC connection.

There is also a 2nd NMEA output to provide a GPS feed for a DSC VHF radio. The AIT2000 can also be fitted with a silence switch to mute transmissions.

The matching, patented, ZeroLoss SPL2000 allows the main VHF antenna to be shared with VHF and AIS or alternatively, just connect to a spare VHF antenna.

AIT3000 Class B AIS with iKonvert and AIS Life Guard



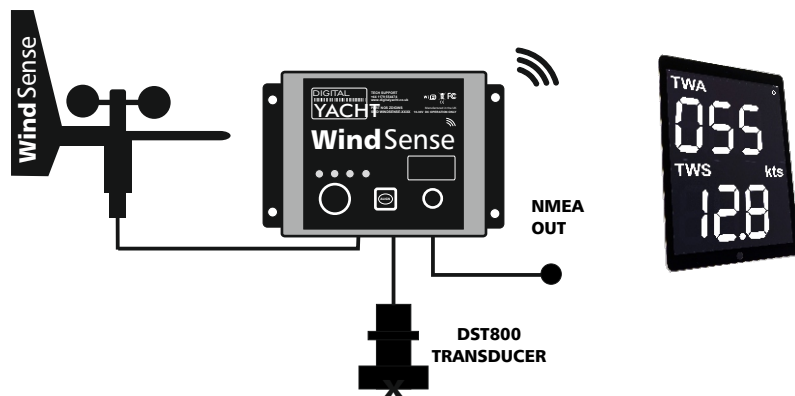
The AIT3000 is a sophisticated one box solution with Class B AIS transponder, Zero Loss VHF antenna splitter and built in WiFi server for tablet and iPad connectivity. Add iKonvert to send NMEA 2000 data over WiFi.

Stream AIS, GPS, NMEA 0183 and NMEA 2000 data wirelessly to connected devices. WiFi is compatible with all popular apps & software.

Optional LifeGuard AIS SART alarm can also be utilises (also compatible with AIT1500/AIT2000).

Digital Yacht Solutions

Depth, Speed, Temperature & Wind Pack

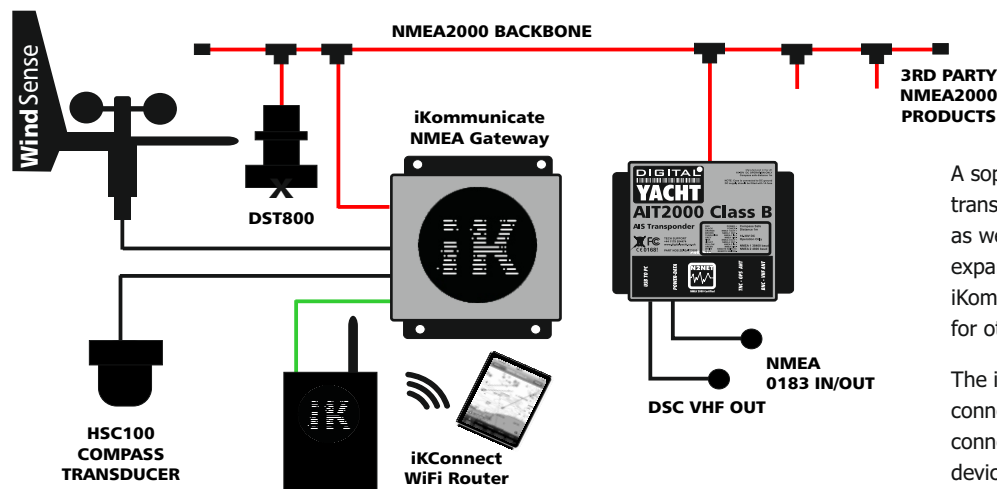


A great starter pack for any sailor looking to add wind and depth/speed/temp instrumentations. WindSense has a very high quality mast head unit which is wired to the below deck wifi box - providing a feed for up to 7 connected devices.

With the addition of boat speed information, compatible apps can calculate true wind speed and angle as well as VMG.

Utilise your tablet or smartphone as an instrument display with 100's compatible apps. NMEA output for traditional instrument displays and input for any compatible NMEA 0183 data.

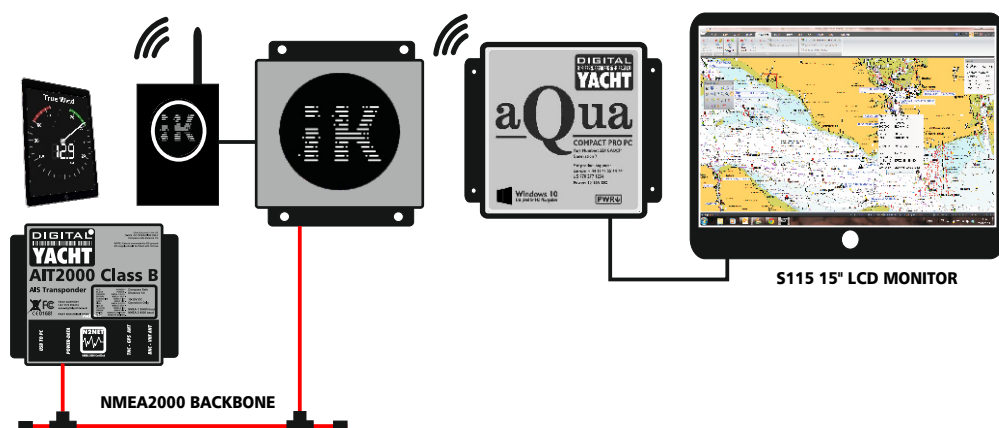
Advanced Integrated Wind Pack with AIS, GPS and Instrumentation



A sophisticated system with a Class B AIS transponder integrated to provide AIS and GPS data as well as instrumentation. This system is expandable using a NMEA2000 backbone and the iKommunicate interface can also act as a gateway for other NMEA2000 bus data.

The iKConnect WiFi router can support up to 200 connected devices and also offers a WAN port for connection to the internet via optional 4G or WiFi devices.

PC Navigation System with GPS, AIS and iKommunicate WiFi Interface



iKommunicate plus the iKConnect WiFi router adds full NMEA2000 integration to the system with possibilities for engine monitoring too.

The wireless interface can also support multiple tablets and iPads with a choice of 100s of different charting and instrument display apps. The Aqua PC can also wirelessly connect to the iKConnect router.



Digital Deep Sea Commercial Products

CLA2000 Class A AIS Transponder for Mandatory AIS Commercial Solutions

The CLA2000 AIS Class A sets new standards of performance, functionality and reliability. As a single, fully integrated Class A transceiver, the CLA2000 is easily installed and configured with dual NMEA2000 and NMEA0183 connectivity allowing plug & play integration with other bridge systems. The high-resolution full colour display delivers a range of powerful functionality, including full CMAP ENC charting, multiple text and graphic display modes, AIS target management, proximity alerts, MOB/SAR alert and tracking and much more. The unit is engineered and built for commercial users who rely on their AIS Class A day after day for their safety, security and operational efficiency. The waterproof display is ideal for RIB and work boat mounting at the helm.

AIS SART and AIS LifeGuard - the AIS man over board alarm for use with popular AIS PLBs

Digital Yacht has launched a potentially life-saving product called AIS LifeGuard. Each crew member needs to be carrying a personal AIS device – like the ones made by companies such as Ocean Signal, Easy, Kannad and McMurdo. Just connect the AIS LifeGuard to an on board AIS transponder or AIS receiver and you have a fully operational AIS SART man overboard system. The AIS Life Guard detects both message 1 and message 14 (these are reserved for AIS SART messaging). As soon as an AIS SART transmission is detected the AIS Life Guard will sound an internal 95db alarm and also display a red warning light. So within seconds the helmsman will be aware if a member of the crew or passenger has fallen overboard.

The AIS Life Guard is compatible with all Digital Yacht receivers and transponders and the new generation of AIS SARTS that have recently been approved for global use by the IMO.

The S1000 is an approved IMO AIS SART, suitable for vessel and liferaft deployment. It forms a vital part of mandated on board safety equipment for commercial users and leisure offshore boaters.

PilotLink Pilot Plug Wireless Interface



- Wireless Interface for Class A AIS Transponders
- Reads GPS and AIS data directly from the transponders Pilot Plug
- Supports bi-directional communication for configuring the transponder
- Uses standard NMEA data for maximum compatibility with software applications
- creates a wireless access point with a typical range of 30m
- Transmits data via TCP/UDP link

CLA2000 Class A AIS Transponder



- Globally approved Class A AIS transponder
- High resolution, 800 x 480 pixel 5" colour display (MKD) with easy to use, fast user interface
- Integrated GPS with external antenna or utilise external NMEA feed
- 3 x NMEA 0183 interface (bi-directional for plotter, ECDIS, radar etc)
- 3 x sensor input ports (eg BlueBoard, external GNSS, gyro etc)
- NMEA 2000 interface
- Built in SD card slot
- Built in wi-fi for connection to iPads and tablets for wireless navigation

S1000 AIS SART & LifeGuard



- Full IMO Compliant, Wheel Marked AIS SART
- 50 channel GPS receiver built in
- Specialist VHF antenna technology for superior performance
- LED indications for test and activation
- When activated transmits position 8 times per minute
- Sends SART ACTIVE safety message every 4 minutes

Class A Pilot Plug USB Interface Cable



- Allows connection of a PC to a Class A Transponder to receive NMEA0183 AIS and GPS data via a USB port.
- 1.8m Cable
- Fully NMEA 0183 compatible (diferential RS422)
- Conforms to the IMO SN/Circ.227
- Bidirectional data connection
- Built-in indicator lights flash to show data is being received and transmitted

Communicate just like into a NMEA 2000 system and converts data to web friendly Signal K format

Next Generation Marine Electronic Solutions

Find out more online:



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