

DIGITAL
YACHT



SAIL BOAT



SPORT FISHING



MOTOR BOAT



PRODUCT GUIDE 2020


**DIGITAL YACHT 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.**

We firmly believe that low cost consumer devices such as iPhones and tablets, PCs and MACs have a place on board and can help make legacy systems compete with the latest in dedicated marine electronic products at a fraction of the cost. We make internet access whilst afloat easy and affordable as well as bringing all your navigation data to your favourite consumer devices - not just for you but for crew and guests too.

Our navigation systems cover advanced GPS and compass technology as well as the most comprehensive range of AIS products in the marketplace. Plus our PC and software solutions bring simple yet powerful solutions to a variety of on board requirements from communication to navigation, entertainment to monitoring.

Our design team has 100's years combined experience in marine electronic systems and we take pride in our quality heritage with manufacturing in the UK and global reach with offices in the US and China. Last year our products were sold in over 100 countries worldwide.

Good Boating,



Nick Heyes

TABLE OF CONTENTS

4	AIS SYSTEMS
24	NAVIGATION SENSORS
30	WIRELESS NAVIGATION
34	NMEA INTERFACES
41	WIRELESS INTERNET
46	ONBOARD ENTERTAINMENT
48	MARINE PC
49	SOFTWARE AND APPS
53	ACCESSORIES

AIS SYSTEMS

The automatic identification system (AIS) is an automatic tracking system used for collision avoidance on ships.

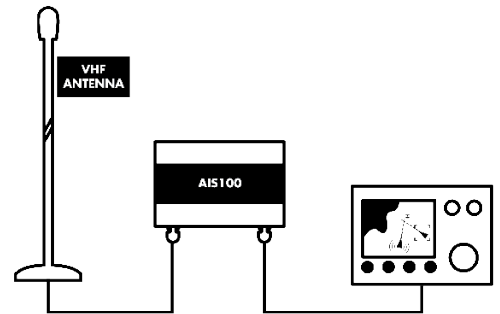
Information provided by AIS equipment, such as unique identification, position, course, and speed is transmitted by a VHF antenna to the surrounding vessels equipped with an AIS equipment.

Digital Yacht's Extensive range of AIS products provides solutions for every type of boat, from an open cockpit RIB to a SOLAS Super Tanker. For customers that just want to see where surrounding vessels are, select from our range of Receivers or if you also want other vessels to know your position, select from our Transponders.

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



AIS100 RECEIVER (NMEA 0183)



Typical system

“Connects to any NMEA AIS compatible chart plotter and adds an AIS overlay. Simple to install, highly sensitive dual channel design that’s easy to install with Garmin, Raymarine, Standard, Lowrance, Simrad, Furuno etc plotters”

KEY FEATURES

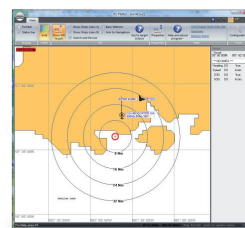
This value priced, entry level AIS receiver is Digital Yacht’s most cost effective solution for adding AIS to your boat. Featuring the same dual channel receiver as the AIS100Pro, but without the USB interface and multiplexer, there is no compromise on performance and the AIS100 will out-perform all other, inferior, single channel receivers.

For use with existing AIS compatible chart plotters, such as the latest Garmin, Raymarine, Navico, Standard Horizon and Furuno units. Typical AIS reception range is 20 – 20 m for a mast top Antenna.

SPECIFICATIONS

- Low cost entry level AIS receiver
- High performance dual-channel AIS receiver for use with existing plotter and radar systems
- High speed NMEA output (38,400 baud)
- Requires VHF Antenna or dedicated AIS Antenna (available as optional accessory) or splitter
- Easy to install IP54 black box solution
- BNC Antenna connector

EXTRA APPLICATIONS



All Digital Yacht systems ship with SmarterTrack Lite PC software



Use the Qmax VHF Antenna – A small 25cm VHF Antenna with sucker cup mount. Ideal for portable use.

DIMENSIONS

105mm x 72mm x 32mm
(L x W x D)

PART NUMBER

ZDIGAIS100
UPC
738435472382

SUPPLIED WITH

Integral mounting brackets, 0.75m Power/Data cable, AIS Lite software on CD and User Manual

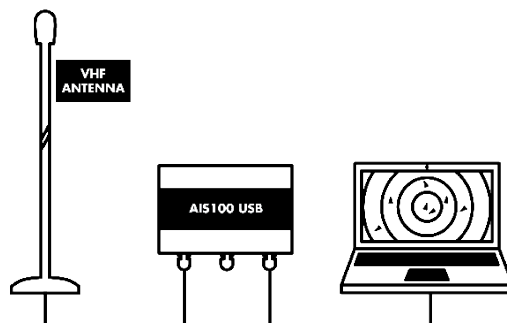


AIS



INTERFACE

AIS100 RECEIVER (USB)



Typical system

“Perfect for PC based navigation systems with USB drivers for PC, MAC and linux”

KEY FEATURES

This value priced, entry level AIS receiver is Digital Yacht’s most cost effective solution for getting AIS on your PC. Featuring the same dual channel receiver as the AIS100Pro, but without the NMEA 0183 Output and multiplexer, there is no compromise on performance and the AIS100USB will out-perform all other, inferior, single channel receivers.

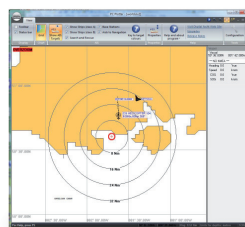
Simple plug and play USB connection to a PC. Uses standard drivers built-in to Windows XP/Vista/7 and is automatically mapped to an available “virtual” com port, which your PC software can read. Also compatible with Mac OS X and all LINUX Kernels since V2.4.20.

For use with any AIS compatible PC navigation software, such as the latest SmarterTrack, MaxSea, SeaPro, Nobeltec and Rose-Point applications.

SPECIFICATIONS

- Low cost entry level AIS receiver
- High performance dual-channel AIS receiver for use with AIS compatible PC navigation software
- USB Interface for simple Plug and Play connection to a PC
- Requires VHF / AIS Antenna or splitter
- Easy to install IP54 black box solution

EXTRA APPLICATIONS



All Digital Yacht systems ship with SmarterTrack Lite PC software



Use the Qmax VHF Antenna— A small 25cm VHF Antenna with sucker cup mount. Ideal for portable use.

DIMENSIONS

105mm x 72mm x 32mm
(L x W x D)

PART NUMBER

ZDIGAIS100USB

UPC

738435472399

SUPPLIED WITH

Integral mounting brackets, 0.75m Power cable, 0.75m USB cable, AIS Lite software on CD and User Manual



AIS



USB



LINUX

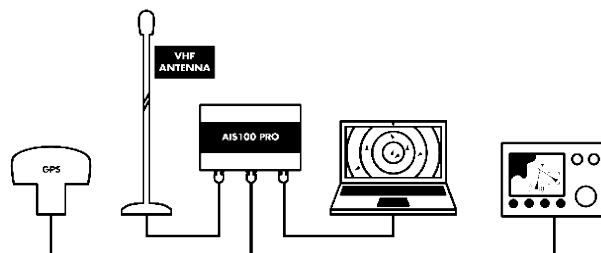


MAC



Windows 10

AIS100PRO RECEIVER (NMEA & USB)



Typical system

“Combination NMEA and USB connections for PC and plotter based systems. Also features NMEA input and inbuilt multiplexer”

KEY FEATURES

Great entry-level AIS receiver for use with PC navigation software and chart plotters, such as the latest Garmin, Raymarine, Navico, Standard Horizon and Furuno units. Connected to an existing VHF Antenna (via a splitter) or dedicated AIS Antenna, you can receive all AIS targets within range – typically up to 30nm. Simple plug and play USB connection to a PC. Uses standard drivers built-in to Windows XP/Vista/7 and is automatically mapped to an available “virtual” com port, which your PC software can read. Also compatible with Mac OS X and all LINUX Kernels since V2.4.20.

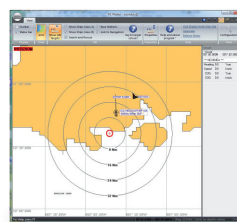
The AIS100 Pro has a dual NMEA0183 and USB output capability, allowing you to supply AIS data to a PC (via USB) and a dedicated plotter (via NMEA) for larger installations.

Connect the NMEA (4800 baud) output of your GPS to the AIS100Pro and it will automatically multiplex (merge) the slower GPS data with the high speed AIS data and transmit everything on the high speed NMEA output (38,400 baud) - perfect for connection to a chart plotter with only one NMEA input.

SPECIFICATIONS

- High performance dual channel AIS receiver for use with existing plotter and radar systems
- USB Interface for simple plug ‘n play connection to a PC
- High Speed NMEA output (38,400 baud)
- Requires VHF Antenna or dedicated AIS Antenna (available as optional accessory) or splitter
- Multiplexed NMEA input for single NMEA GPS+AIS data output at 38,400 baud
- Easy to install IP54 black box solution

EXTRA APPLICATIONS



All Digital Yacht systems ship with SmarterTrack Lite PC software



Use the SPL2000 VHF – AIS Antenna splitter to share the vessels VHF Antenna with VHF and AIS.

DIMENSIONS

105mm x 72mm x 32mm
(L x W x D)

PART NUMBER

ZDIGAIS100P

UPC

030955183657

SUPPLIED WITH

Integral mounting brackets, 0.75m Power/Data cable, 0.75m USB cable, AIS Lite software on CD and User Manual



AIS



USB



INTERFACE



MULTIPLEXER



LINUX

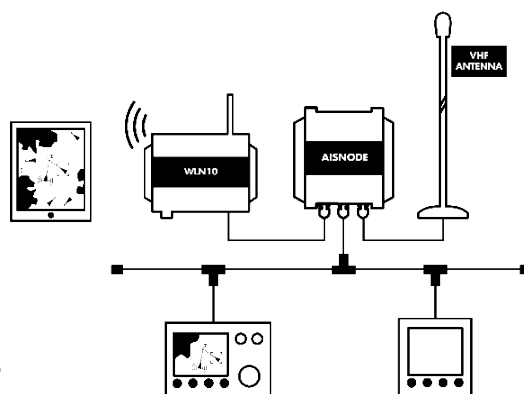


MAC



Windows 10

AISNODE



Typical system

“AISnode Brings Simple AIS Installation To NMEA2000 Networks”

KEY FEATURES

Many modern on board electronic systems now utilise the NMEA2000 interfacing standard to allow inter-connectivity and interfacing between systems. It’s an easy plug ‘n play solution that allows reliable on board data sharing with simple common connectors. NMEA 2000 devices connect on a cabled “backbone” with a “T-connector” used to spur off to each device.

Digital Yacht have just introduced AISnode – an AIS receiver with an NMEA2000 interface allowing AIS data to – be shared across plotters, radars or other compatible devices on board. It’s simple to fit too with power for this low wattage device taken directly from the NMEA2000 bus so there’s no need for separate power supply. Just connect to a VHF Antenna or suitable VHF Antenna splitter (for a shared Antenna) and there’s AIS data available for the plotter display. Once connected, you’ll see an overlay of targets around you with drill down data on the vessels identity, position, course and speed as well as closest point of approach.

The new AISnode exploits Digital Yacht’s sensitive dual channel receiver technology for excellent target reception range and ability to process all the latest types of AIS targets like ATONs and SARTs. Class A and Class B

targets are also fully decoded with all the relevant static and voyage data.

SPECIFICATIONS

- NMEA 2000 connectivity
- Self-powered from NMEA 2000 network
- Supplied with 1m NMEA 2000 cable
- High sensitivity dual channel design
- Decodes all the latest AIS target types including ATONs and SARTs

EXTRA APPLICATIONS



Add the NMEA2000 Starter Kit to have an NMEA2000 backbone on board

DIMENSIONS

160mm x 120mm
(L x W)

PART NUMBER

ZDIGAISNODE
UPC
081159830403

SUPPLIED WITH

Supplied with 0.8m NMEA 2000 drop cable

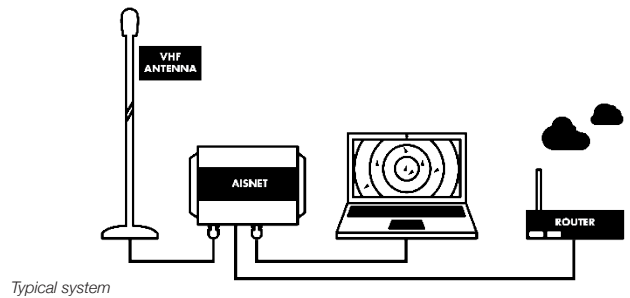


AIS



INTERFACE

AISNET INTERNET BASE STATION



“Network enabled AIS receiver for base station operation. Simple RJ45 network interface and USB too. Perfect for use with Marine Traffic or AIS Live”

KEY FEATURES

AISnet is a new AIS base station receiver for use at home or in the office. Utilising the same high performance dual channel AIS receiver as the rest of the Digital Yacht range, AISnet also features an ethernet socket that can connect to a broadband router to send data to online AIS tracking services.

There are now a large number of internet based web sites, which offer a view of AIS equipped vessels on a background chart allowing users to check the position and identity of ships and yachts. If your home/office is close to the coast you can contribute your data to one of these sites, simply register with the company and they will give you an IP address and port number.

Using the setup program that Digital Yacht supply, it takes seconds to program the IP address and port into AISnet, which will immediately start sending your local AIS data seamlessly across the internet to be displayed on the site.

Data that AISnet is collecting, can also be viewed locally on your PC using

the free SmarterTrack Lite software. Plug the USB connector into your PC and AIS data will appear on your PC, whilst also transmitting over the internet.

AISnet is supplied with a universal UK/Euro/US mains adaptor that provides a regulated 12v supply from 240v/110v AC mains.

Contact us if you want the AISnet to be provided with a built-in VHF splitter.

SPECIFICATIONS

- AIS base station for home or office use
- Integrated ethernet network controller for supplying AIS data to online AIS websites
- High performance dual channel AIS receiver
- Simple configuration via free setup program
- USB Interface for simple plug and play connection to a local PC
- Requires VHF Antenna or dedicated AIS Antenna (available as optional accessory) or splitter
- Universal Mains power supply included
- Simple “fit and forget” black box solution

DIMENSIONS

244mm x 150mm x 60.5mm
(L x W x D)

PART NUMBER

ZDIGAISNET
UPC
738435472429

SUPPLIED WITH

UK/Euro/US mains adaptor, 1m USB Cable, AIS Lite + Setup software on CD and User Manual



AIS



USB



NETWORK



Windows 10

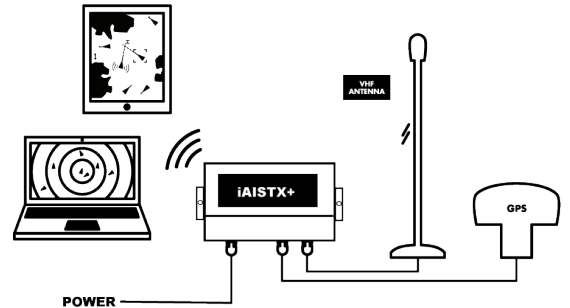


LINUX



MAC

IAISTX CLASS B AIS TRANSPONDER



Typical system

“IAISTX is an AIS transponder with Wi-Fi interface designed specifically for the growing number of boaters who use a tablet for navigation.”

KEY FEATURES

IAISTX has been designed specifically for the growing number of boaters who use an iPad or Android tablet for their navigation tasks. As a full function Class B transponder, it sends your boat position and identity data to other AIS equipped vessels as well as providing a wireless interface for mobile devices with popular apps to display received data from other AIS equipped vessels.

IAISTX creates a secure, password protected, local Wi-Fi network which allows AIS and GPS data to be sent to popular iOS and Android apps such as Navionics, iSailor, Weather4D, SailGrib, iNavX, TimeZero and more. These apps offer a detailed overlay of local AIS targets all updated in real-time. Depending upon the app, you can click on a target and can see identity as well as collision avoidance data such as CPA (closest point of approach) and TCPA (time to closest point of approach).

AIS transponders require one time programming with the boat’s identity and physical dimensions and this is done through a simple, embedded web interface via the tablet’s browser (Safari, Chrome, etc.). This can also be used to silence the transmission and set up wireless parameters such as passwords. Installation is simple – just connect power (12/24v), mount the supplied external GPS antenna and connect to a separate dedicated VHF antenna or to the boat’s existing VHF antenna using our SPL1500 or

SPL2000 AIS-VHF antenna splitters. If you also want to get AIS data on to your MFD (chart plotter), then we recommend the IAISTX Plus which includes an additional NMEA 2000 interface.

SPECIFICATIONS

- Class B AIS transponder with WiFi interface for phones, tablets and PCs
- Support for all the latest target types such as ATONs and AIS MOB devices
- Latest HF AIS technology for superior performance
- NMEA 2000 interface in option (IAISTX Plus)
- UDP and TCP/IP protocols supported for up to 7 connected devices
- Password protected, secure wireless connection
- Internal wifi antenna will typically footprint a boat up to 60ft in length
- Supplied with external GPS antenna and 10m (33ft) cable
- Compatible with 100s apps. See our reviews at www.digitalyacht.net
- LED status indicators for Wifi, data, status, silent mode and power
- Easy embedded web interface for programming
- Measures just 20 x 14 x 4.5cm
- 12/24V operation and ultra-low 2W consumption

NMEA2000 VERSION

IAISTX Plus also has a NMEA 2000 interface with integral drop cable so that it can integrate with modern plotters, instruments and multi-function displays to provide AIS functionality.



DIMENSIONS

200 x 140mm
(H x W)

PART NUMBER

ZDIGIAITX
ZDIGIAISTXPL

UPC

703791696123
703791696130

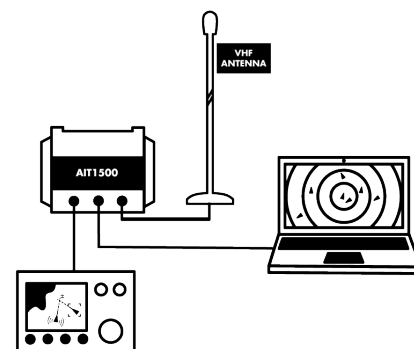
SUPPLIED WITH

0.75M power cable, GPS antenna and 10m cable and also NMEA2000 drop cable for IAISTX Plus



TRANSMITTER AIS INTERFACE WIRELESS GPS Windows 10 LINUX MAC ANDROID IOS

AIT1500 CLASS B AIS TRANSPONDER



Typical system

“An easy to install Class B AIS with built in GPS Antenna and universal NMEA 0183 interface”

KEY FEATURES

The regulations for AIS demand that the Class B transponder has to incorporate its own GPS positioning receiver which normally involves fitting an external Antenna. The AIT1500 incorporates a high sensitivity GPS Antenna within its compact case which saves on Antenna clutter and makes for a speedy installation. It's ideal for fitting on smaller vessels and tenders. It uses a NMEA0183 interface for simple connection to the vast majority of AIS compatible chart plotters and also has a separate 4800 baud GPS data output for the DSC VHF if required. It consumes less than 2W power and can operate on 12/24V systems. It also features a silence capability so the AIS transmissions can be muted while continuing to receive AIS traffic.

There is a USB interface for programming as well as for PC/MAC based navigation. It's compatible with Digital Yacht's NavLink MAC app and SmarterTrack PC navigation system

GPS signals will pass through plastic, glass and GRP so it will be able to be mounted below decks on many boats. A dedicated VHF Antenna is required for the AIS or a suitable VHF-AIS Antenna splitter such as the SPL2000. It can also connect to the WLN10 or AquaWear WLN20 wireless data gateway to feed data to a tablet or iPad

SPECIFICATIONS

- Advanced AIS design for the best performance
- Waterproof compact enclosure
- Built in internal GPS Antenna
- Dual NMEA 0183 outputs at 4800/38400 baud
- USB interface
- PC & MAC programming software included
- NMEA input multiplex function
- Silence switch option
- Supplied with programming and utilities CD

EXTRA APPLICATIONS



Use the SPL1500 – VHF Antenna splitter to share the vessels VHF Antenna with VHF and AIS.



Use the Smart WLN10 to send AIS targets on your navigation software & apps.

DIMENSIONS

120 x 160mm
(H x W)

PART NUMBER

ZDIGAIT1500

UPC

081159830366

SUPPLIED WITH

0.75M power and data cable, 0.75m USB cable and programming/utilities CD



TRANSMITTER



AIS



USB



INTERFACE



MULTIPLEXER



GPS



Windows 10



LINUX

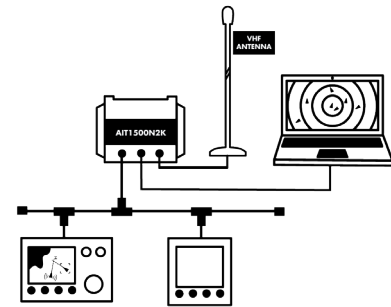


MAC



ANDROID

AIT1500N2K CLASS B AIS TRANSPONDER



Typical system

“An easy to install Class B AIS transponder with plug ‘n play NMEA 2000 interface and built in GPS Antenna”

KEY FEATURES

The regulations for AIS demand that the Class B transponder has to incorporate its own GPS positioning receiver which normally involves fitting an external Antenna. The AIT1500N2K incorporates a high sensitivity GPS Antenna within its compact case which saves on Antenna clutter and makes for a speedy installation. It’s ideal for fitting on smaller vessels and tenders. It has a NMEA2000 interface for simple connection to the majority of new AIS compatible chart plotters and includes an integral NMEA2000 drop cable with a male mini connector. It consumes less than 2W power and is self powered from the NMEA2000 network.

There is a USB interface for programming as well as for PC/MAC based navigation. It’s compatible with Digital Yacht’s NavLink MAC app and SmarterTrack PC navigation system

GPS signals will pass through plastic, glass and GRP so it will be able to be mounted below decks on many boats. A dedicated VHF Antenna is required for the AIS or a suitable VHF-AIS Antenna splitter such as the SPL2000. It can also connect to the NavLink wireless data gateway to feed data to a tablet or iPad

SPECIFICATIONS

- Advanced AIS design for the best performance
- Waterproof compact enclosure
- Built in internal GPS Antenna
- NMEA2000 interface with integral 0.75m drop cable
- USB interface
- PC & MAC programming software included
- Simple “plug and play” installation
- Takes its power from the NMEA2000 network
- Supplied with programming and utilities CD

EXTRA APPLICATIONS



Use the SPL1500 - VHF Antenna splitter to share the vessels VHF Antenna with VHF and AIS.



Add the NMEA2000 Starter Kit to have an NMEA2000 backbone on board.

DIMENSIONS

120 x 160mm
(H x W)

PART NUMBER

ZDIGAIT1500N2K
UPC
081159830519

SUPPLIED WITH

0.75M NMEA2000 cable, 0.75m USB cable and programming/utilities CD



TRANSMITTER



AIS



USB



INTERFACE



GPS



Windows 10



LINUX

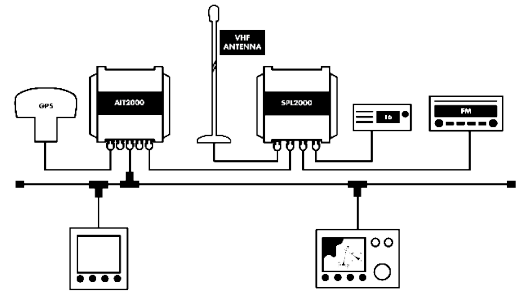


MAC



ANDROID

AIT2000 CLASS B AIS TRANSPONDER



Typical system

“Great value, flexible AIS transponder solution with multiple outputs to suit every installation and optional wireless solution”

KEY FEATURES

The AIT2000 uses the latest AIS Transponder technology to squeeze more performance and interfacing options in to a housing that is half the size of our previous generation transponder.

This ultra-compact Class B Transponder has three outputs; NMEA 0183, NMEA 2000 and USB connection, allowing it to work with every AIS compatible chart plotter or software package on the market today. Featuring a remote silence button option, two NMEA 0183 Inputs and Outputs, four status LEDs and rugged vibration-proof mounting brackets.

Configuration of your vessel's fixed data, such as MMSI, call sign, boat name, dimensions etc. is made easy with the included Windows and Mac compatible proAIS2 software. Once configured, the unit will provide AIS data to a PC or Mac running suitable navigation software or a dedicated chart plotter, such as the latest Garmin, Raymarine, Navico, Standard Horizon and Furuno units. As well as transmitting your own vessel's position so that other AIS equipped vessels know where you are, the AIT2000, when connected to an existing VHF Antenna (via a splitter) or dedicated AIS Antenna, will receive all AIS targets within range of your boat – typically up to 30NM.

With two industry standard NMEA 0183 outputs, our own N2NET connector for plugging in to an NMEA 2000 network and a simple plug and play USB

connection to a PC, the AIT2000 is the perfect AIS transponder solution for all light marine vessels up to 300 tonnes. AIT2000 is also available in a 5W SOTDMA version. See next page.

SPECIFICATIONS

- Ultra-compact Class B AIS Transponder
- USB Interface for simple plug and play connection to a PC or Mac
- Includes N2Net interface and cable for connection to NMEA 2000 network
- High speed NMEA output (38,400 baud) – compatible with industry standard plotters
- Comes complete with GPS Antenna with integral 1"x14TPI thread mount
- Requires VHF Antenna or dedicated AIS Antenna (available as optional accessory) or splitter (SPL2000)
- Remote Silence Switch option
- Easy to install black box solution

EXTRA APPLICATIONS



This AIT2000 + GV30 bundle is ideal for smaller boats and tenders, providing a single combination VHF+GPS antenna solution that makes installation easy and simple.

Part number of this bundle is: ZDIGAITBUN1

DIMENSIONS

150mm x 155mm x 37.5mm
(L x W x D)

PART NUMBER

ZDIGAIT2000

UPC

030955183626

SUPPLIED WITH

0.75m Power/Data cable, 0.75m USB cable, 0.75m N2Net cable, GPS Antenna, Programming software*

**Except US where dealer programming required*



TRANSMITTER



AIS



USB



INTERFACE



INTERFACE



MULTIPLEXER



GPS



Windows 10

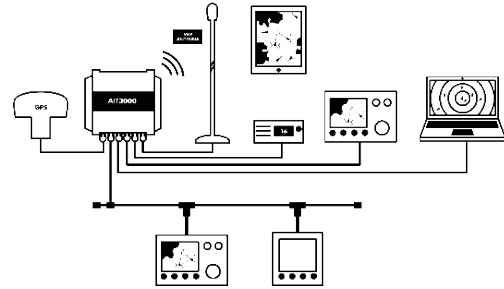


LINUX



MAC

AIT3000 NUCLEUS CLASS B AIS TRANSPONDER



Typical system

“The AIT3000 integrates a Class B AIS transponder with a ZeroLoss VHF-AIS splitter and full featured interface including NMEA0183, NMEA2000, USB and wireless making it easy and fast to install as well as offering maximum connectivity.”

KEY FEATURES

Class B AIS transponders have made a remarkable impact on small craft navigation but many potential users or installers are put off by the requirement for yet another VHF Antenna. The AIT3000 “Nucleus” Class B transponder changes this.

It incorporates not only a full function Class B AIS transponder but also an Antenna splitter allowing the main VHF Antenna on the boat to be shared with the AIS and VHF. It’s also been designed with the latest interfacing capability including NMEA 0183, NMEA 2000, USB and a WiFi server to integrate with tablets and iPads – hence the name Nucleus as it becomes the hub for on board navigation. NMEA 0183 data from other on board systems can also be multiplexed by the Nucleus and combined on the WiFi link. Nucleus brings a new level of connectivity and integration.

Today’s boat is all about connectivity - the Nucleus offers not only NMEA interfacing but also USB for PC and MAC and WiFi for tablets and smartphones.

Digital Yacht AIT3000 is compatible with all popular apps and navigation software. Configure the AIT3000 with the PC/Mac software ProAIS2 or with the free Android app AISConfig.

AIT3000 is also available in a 5W SOTDMA version. See next page.

SPECIFICATIONS

- Combination Class B AIS transponder with patented ZeroLoss VHF-AIS Antenna splitter
- Full connectivity via
 - NMEA0183 Dual In/Out Interfaces
 - Built in multiplexer for instrument data
 - NMEA 2000 output
 - USB (PC and MAC)
 - Inbuilt WiFi server for tablets & smartphones
- Remote silence switch capability
- Ultra tough, waterproof and compact construction
- FM Antenna output
- Supplied with GPS Antenna
- Supported range of apps for iOS, Android, PC & MAC

DIMENSIONS

220mm x 130mm

PART NUMBER

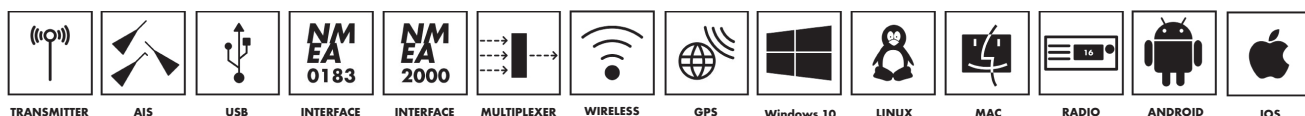
ZDIGAIT3000

UPC

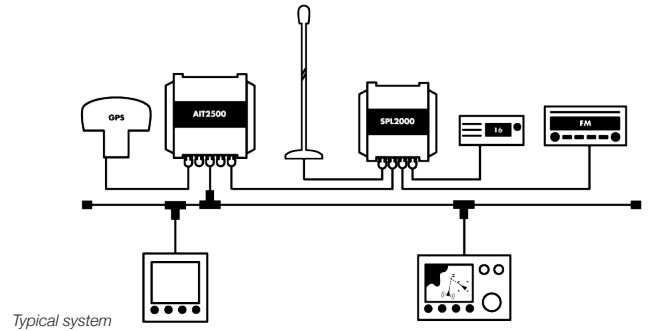
081159830304

SUPPLIED WITH

GPS Antenna, 3dBi WiFi Antenna, PL259 patch cable for VHF, 0.8m NMEA 2000 drop cable (male), 0.8m NMEA 0183 power-data cable, 0.8m USB cable, Driver



AIT2500 CLASS B+ SOTDMA AIS TRANSPONDER



“The AIT2500 is a full function Class B+ SOTDMA AIS transponder with NMEA 0183, NMEA 2000 and USB data outputs.”

KEY FEATURES

Class B+ is a new generation of AIS functionality based on SOTDMA (self organised TDMA) messaging rather than the simpler CSTDMA (carrier sense TDMA). It guarantees your AIS transmission will get a time slot, even in areas of very high traffic density. It also specifies a 5W transmission power (compared with 2W for Class B) and a transmission rate that increases as the vessel moves faster. With regular Class B protocol, the transmission rate is fixed at every 30 seconds when the vessel is moving. It is ideal for ocean sailors requiring the best possible performance and future proof satellite tracking applications, fast power boats and smaller non-mandated commercial vessels.

The AIT2500 has the same functionality of the AIT2000. It is a full function SOTDMA AIS transponder with NMEA 0183, NMEA 2000 and USB data outputs. It is supplied with a GPS antenna and requires connection to a VHF antenna or suitable VHF-AIS antenna splitter.

The AIT2500 has the option of an AIS SART alarm which is great for use with personal AIS MOB devices.

SPECIFICATIONS

- New Class B+ 5W transponder with GPS/GLONASS positioning
- Multiple NMEA 0183 in/out and multiplex capability
- NMEA 2000 connectivity
- USB connectivity for PC/MAC
- Remote TX silence switch option
- Supplied with GPS antenna
- Options include VHF-AIS antenna splitter, wireless interface (WLN10) and AIS SART Alarm (AIS Lifeguard)

EXTRA APPLICATIONS



SPL2000 is a patented zero loss VHF splitter which lets you share your main VHF antenna with the VHF radio, FM radio and AIS.
Part number of this bundle is: ZDIGSPL2000

DIMENSIONS

150mm x 155mm x 37.5mm
(L x W x D)

PART NUMBER

ZDIGAIT2500
UPC
081159830830

SUPPLIED WITH

0.75m Power/Data cable, 0.75m USB cable, 0.75m N2Net cable, GPS Antenna, Programming software*

*Except US where dealer programming required



TRANSMITTER



AIS



CLASS B+



USB



INTERFACE



INTERFACE



MULTIPLEXER



GPS



Windows 10

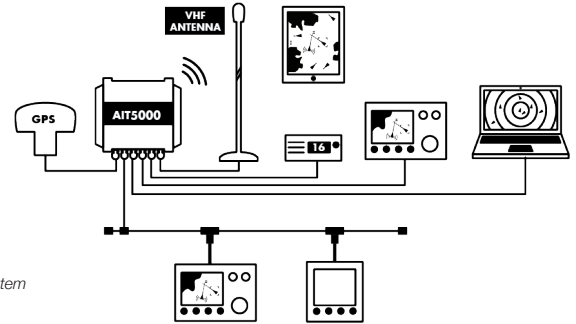


LINUX



MAC

AIT5000 CLASS B+ SOTDMA AIS TRANSPONDER



Typical system

“The AIT5000 is a Class B+ AIS Transponder with a 5W power output, a Wi-Fi interface, a built-in VHF splitter and utilises SOTDMA format transmissions.”

Now works with the popular Navionics Boating App for Apple iOS and Android to display GPS and AIS data on your Navionics charts.

KEY FEATURES

Digital Yacht have introduced a new range of Class B+ AIS transponders. Class B+, a new standard, utilises SOTDMA format transmissions which offer a 5W power output (2.5x 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. It's ideal for ocean sailors requiring the best possible performance and future proof satellite tracking applications, fast power boats and smaller non-mandated commercial vessels. It still inter-operates with existing Class B and Class A systems.

The AIT5000 has the same functionality as the AIT3000. It incorporates a patented ZeroLoss VHF-AIS antenna splitter allowing the main VHF antenna to be shared with VHF, AIS and FM radio. It also has a wireless interface for connecting to iPads, smartphones and tablets.

The AIS transmissions can be stopped with our AISConfig app and with a remote silence switch. The AIT5000 has the option of an AIS SART alarm which is great for use with personal AIS MOB devices.

SPECIFICATIONS

- New Class B+ 5W transponder with GPS/GLONASS positioning
- Integrated and patented ZeroLoss VHF-AIS antenna splitter (share the VHF antenna)
- Multiple NMEA 0183 in/out and multiplex capability
- NMEA 2000 connectivity
- USB connectivity for PC/MAC
- Wireless interface for tablets, smartphones and PC
- Remote TX silence switch option
- Supplied with GPS antenna
- The AIS all-in-one Nucleus solution
- Alarm option too with AISLifeGuard

DIMENSIONS

220mm x 130mm

PART NUMBER

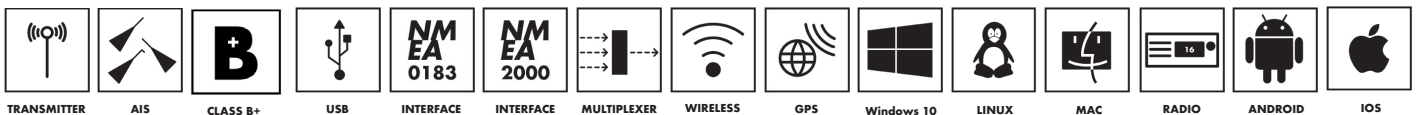
ZDIGAIT5000

UPC

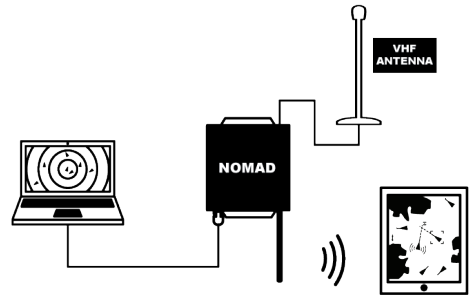
081159830847

SUPPLIED WITH

GPS Antenna, 3dBi WiFi Antenna, PL259 patch cable for VHF, 0.8m NMEA 2000 drop cable (male), 0.8m NMEA 0183 power-data cable, 0.8m USB cable



NOMAD PORTABLE CLASS B AIS TRANSPONDER



Typical system

“The World’s first portable Class B transponder with a wireless interface”

KEY FEATURES

Nomad is a new, portable AIS navigation solution from Digital Yacht. Designed for recreational boaters and professional mariners, it offers a full function, Class B AIS transponder with a wireless and USB interface built in for tablets and PCs - all in a portable, compact package.

It addresses the needs of so many boaters who want a portable yet sophisticated navigation solution with AIS and GPS and the ability to interface with tablets, PCs and smart phones. It appeals to charter skippers, professional mariners like delivery skippers and pilots as well as boat owners who don’t want the hassle or cost of installing a dedicated transponder and like the concept of easy iPad and tablet navigation using their favourite charting apps with a detailed AIS overlay and real time GPS positioning. As a full function Class B transponder, it also sends you boat position to other AIS users.

It incorporates an innovative USB power solution allowing the Nomad to be powered from any standard USB source. This can include low cost, 3rd party battery packs, a USB PC connection or 12V USB adaptors/cigarette lighter adaptors. The GPS is built in and Nomad ships with a compact, 25cm external VHF Antenna with sucker cup mount. It can also connect to any regular VHF Antenna.

WiFi and USB interfaces are standard and there are a wide range of free and premium compatible apps for iOS, Android, PC and MAC. The wifi connection allows up to 7 tablets or iPads to connect.

Configure the Nomad with the PC/Mac software ProAIS2 or with the free Android app AISConfig.

SPECIFICATIONS

- 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
- Can be utilised as AIS/GPS receive only
- Powered via USB – connect to PC, USB outlet or USB battery pack for power
- Wireless interface for iPad, tablet or PC/MAC
- Built in high performance GPS
- Supplied with portable VHF Antenna with sucker cup mount
- Can be used as AIS receiver only (if no MMSI programmed) or if silent mode selected
- Programmable via PC, Mac and app
- Choose your favourite charting and AIS app!

DIMENSIONS

120mm x 1350mm

PART NUMBER

ZDIGNMD
UPC
 081159830649

SUPPLIED WITH

Installation CD
 1m USB cable
 WiFi Antenna
 QMAX portable VHF Antenna



TRANSMITTER



AIS



USB



WIRELESS



GPS



Windows 10



LINUX



MAC

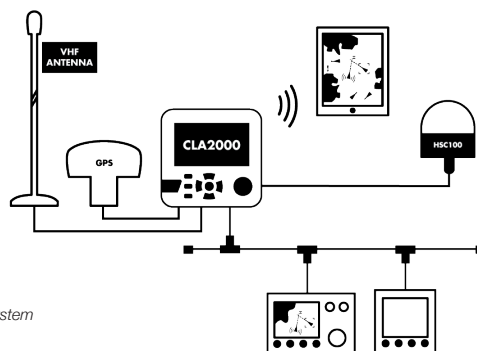


ANDROID



IOS

CLA2000 CLASS A AIS TRANSPONDER



“CLA2000 is the ultimate SOLAS and inland waterway globally approved Class A AIS transceiver.”

KEY FEATURES

Digital Yacht’s new CLA2000 is the ultimate SOLAS and inland waterway globally approved Class A AIS transponder. Water and weather proof to IP67, it has a full integrated 5” hi-res colour display supporting a wide range of functionality including electronic chart navigation with optional C-Map MAX charting and AIS target management. Proven, superior real world AIS message receive and transmit and message processing performance is delivered by advanced core SDR AIS technology. This state of the art technology ensures you see more targets, more of the time and at maximum range.

The CLA2000 will find applications on SOLAS mandated vessels over 300GRT as well as workboats, rescue services, inland waterways users, RIBs, large yachts and any user wanting premium AIS performance and safety. The CLA2000 has optimised software for detecting AIS SART and MOB devices with a dedicated icon for this class of AIS. An automatic alarm is activated on detection of an AIS SART beacon activation.

The CLA2000 is fitted with a micro SD card reader located behind a waterproof cover on the front panel. This can support software updates, data logging of AIS and position data to a blank card as well as compatibility with C- Map MAX charting cards for optional detailed back ground charting. The CLA2000 has an integrated wireless interface for sending

AIS and position data to smart phones, tablets, PCs and MACs for use with 3rd party charting and navigation apps. It supports client mode where it can connect to an existing wireless network or AP mode where devices can connect directly to the CLA2000. Up to 5 simultaneous/ connected devices are possible.

SPECIFICATIONS

- Globally approved Class A AIS transponder
- High resolution, 800 x 480 pixel 5” colour display (MKD) with easy to use, fast user interface
- Bracket or flush mount – waterproof to IPX7
- Integrated GPS with external antenna or utilise external NMEA feed (user selectable)
- 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 for software updates, AIS data port logging or C-Map MAX mapping capability with optional C-Map data card
- Built in wi-fi for connection to iPads and tablets for wireless navigation
- Sophisticated AIS SART MOB alarm and display capability
- User programmable alarms for CPA and TCPA
- Advanced filtering of targets
- External alarm and remote silence switch capability

DIMENSIONS

196mm x 152mm x 79mm

PART NUMBER

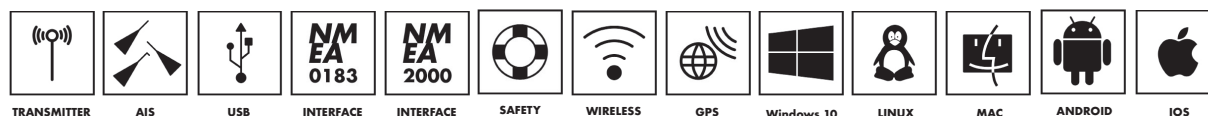
ZDIGCLA2000

UPC

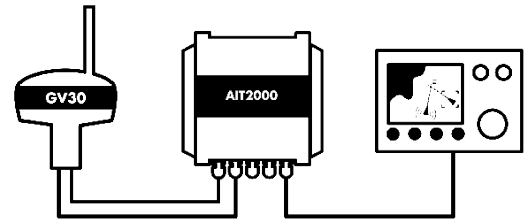
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SUPPLIED WITH

Power cable, 14 way data cable, 18 way data cable, GNSS antenna
Note: VHF antenna not supplied



GV30 AIS VHF GPS ANTENNA



Typical system

“Combination AIS/VHF and GPS Antenna for Class B transponders which makes for a super quick and high performance installation”

KEY FEATURES

A Class B AIS transponder requires a dedicated GPS Antenna (all Class B units must have their own internal GPS and can't use an external feed for regulatory purposes) as well as a VHF Antenna or suitable VHF-AIS Antenna splitter. The GV30 is a combination VHF/AIS and GPS Antenna with twin coax feeds (10m). It's fitted with a standard 1" threaded base so will mount onto a variety of deck, pole and rail attachments available from many 3rd party suppliers.

The 10m coax cables are terminated with a FME mini connector which makes running the cable easy as the connector is barely bigger than the 5mm cable. We then supply suitable adaptors for the TNC and BNC connectors on our AIT2000.

The GV30 is just 190mm high and 75mm in diameter. Despite its compact dimensions, it offers very good performance as its specifically tuned to 162MHz (AIS frequency). The GV30 is also available with the AIT2000 as a bundle

SPECIFICATIONS

- Combination AIS/VHF and GPS Antenna
- Specifically tuned to 162MHz
- High gain GPS element
- Supplied with 2 x 10m cable tails fitted with mini connectors for easy cable installation
- Standard 1" threaded base for compatibility with a variety of 3rd party mounts
- Supplied with TNC (GPS) and BNC (AIS) adaptors
- Under 200mm high for low profile installation

DIMENSIONS

75MM X 190MM
(L x H)

PART NUMBER

ZDIGGV30
UPC
081159830076

SUPPLIED WITH

Supplied with user manual, 10m cables,
TNC adaptor and BNC adaptor
Note: not supplied with base

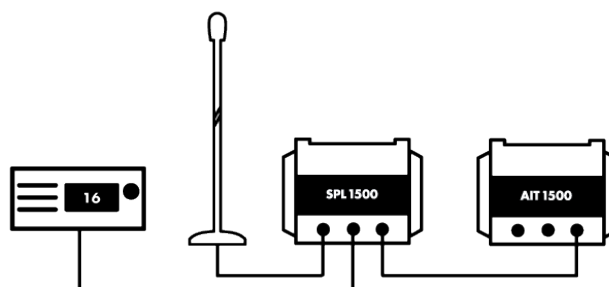


AIS



GPS

SPL1500 VHF-AIS ANTENNA SPLITTER



Typical system

“Patented zero loss technology lets you share your main VHF Antenna with both the VHF and AIS. Compatible with transponders and receivers.”

KEY FEATURES

An AIS receiver or transponder requires a VHF Antenna, but Digital Yacht’s new SPL1500 AIS-VHF Antenna splitter allows an existing Antenna to be used for both the AIS and VHF (DSC). Unlike most simple splitters, it can also be used with a class B transponder system and it incorporates special circuitry to ensure safe operation of the two transmitting devices.

The unit has three simple connections – one input for the main VHF Antenna and then outputs for the AIS receiver/transponder and another for the DSC VHF. It utilises Digital Yacht’s new, patented, ZeroLoss™ technology, to ensure the very best possible reception and transmission from all devices. Most importantly it is also fail safe, so should the unit ever stop working or lose power, it will not affect the main VHF operation. Until now, Digital Yacht, have recommended a dedicated Antenna for a receiver or transponder. However, with the new this new ZeroLoss™ technology, we can now offer a solution that greatly simplifies installation whilst maintaining performance.

The unit is waterproof and matches the aesthetics of the current AIT1500, so can easily be integrated into any vessel. It is suitable for operation on

12V or 24V systems and features three status LEDs that show the unit is powered correctly and when the AIS or VHF transmits.

SPECIFICATIONS

- Enables an existing VHF Antenna to be used for both the standard VHF and AIS system
- Patented ZeroLoss™ technology for exceptional performance
- Works with all Class B transponders and receivers
- Supplied with power cable, PL259-PL259 cable assembly and BNC-BNC cable assembly for easy installation (all cables 0.75m long)
- 12v or 24v Operation and low power consumption
- Fail safe operation
- Same size and design as the AIT1500
- Makes installation of an AIS receiver or transponder very quick and simple
- Saves on additional Antenna clutter

DIMENSIONS

150mm x 155mm x 37.5mm
(L x W x D)

PART NUMBER

ZDIGSPL1500

UPC

081159830687

SUPPLIED WITH

0.75m PL259 and BNC Coax interconnect cables, 0.75m power lead, integral fixing brackets and manual

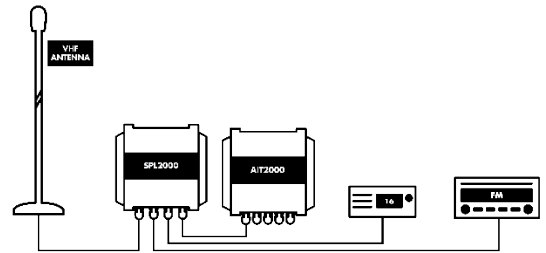


AIS



RADIO

SPL2000 VHF-FM-AIS ANTENNA SPLITTER



Typical system

“Patented zero loss technology lets you share your main VHF Antenna with the VHF radio, FM radio and AIS. Compatible with transponders and receivers.”

KEY FEATURES

An AIS receiver or transponder requires a VHF Antenna, but Digital Yacht’s new SPL2000 AIS-VHF Antenna splitter allows an existing Antenna to be used for both the AIS and VHF (DSC) and even with an AM/FM radio. Unlike most simple splitters, it can also be used with a class B transponder system and it incorporates special circuitry to ensure safe operation of the two transmitting devices.

The unit has four simple connections - one input for the main VHF Antenna and then outputs for the AIS receiver/transponder, DSC VHF as well as an optional car radio output. It utilises Digital Yacht’s new, patented, ZeroLoss™ technology, to ensure the very best possible reception and transmission from all devices. Most importantly it is also fail safe, so should the unit ever stop working or lose power, it will not affect the main VHF operation. Until now, Digital Yacht, have recommended a dedicated Antenna for a receiver or transponder. However, with the new this new ZeroLoss™ technology, we can now offer a solution that greatly simplifies installation whilst maintaining performance.

The unit is waterproof and matches the aesthetics of the current range of transponders and receivers, so can easily be integrated into any vessel. It

is suitable for operation on 12V or 24V systems and features three status LEDs that show the unit is powered correctly and when the AIS or VHF transmits.

SPECIFICATIONS

- Enables an existing VHF Antenna to be used for both the standard VHF and AIS system
- Patented ZeroLoss™ technology for exceptional performance
- Works with all Class B transponders and receivers
- Supplied with power cable, PL259-PL259 cable assembly and BNC-BNC cable assembly for easy installation (all cables 0.75m long)
- AM-FM radio Antenna connection for standard car stereo radio (integrated in power cable)
- 12v or 24v Operation and low power consumption
- Fail safe operation
- Same size and design as the new AIT2000
- Makes installation of an AIS receiver or transponder very quick and simple
- Saves on additional Antenna clutter

DIMENSIONS

150mm x 155mm x 37.5mm
(L x W x D)

PART NUMBER

ZDIGSPL2000

UPC

030955183756

SUPPLIED WITH

0.75m PL259 and BNC Coax interconnect cables, 0.75m power lead, integral fixing brackets and manual

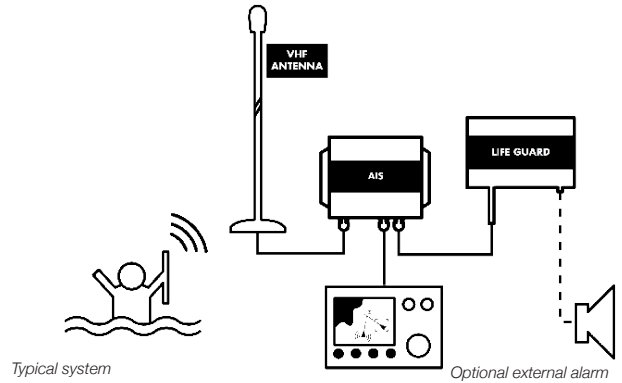


AIS



RADIO

AIS LIFE GUARD (AIS MAN OVERBOARD ALARM)



“AIS SART Alarm — Connects to any of our AIS devices and detects a SART target — ideal for use as a MOB system with personal SARTs.”

All Digital Yacht AIS receivers and transponders are compatible with the AIS Life Guard and it is designed to operate on 12v or 24v DC systems.

KEY FEATURES

The AIS Life Guard is the world’s first AIS Man Overboard Alarm designed to work with the new generation of AIS SARTs that have recently been approved for global use by the IMO.

Many existing AIS compatible chart plotters do not fully support AIS SARTs but with the AIS Life Guard connected to an AIS transponder or AIS receiver, you can have a complete working AIS SART man overboard 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.

As soon as an AIS SART transmission is detected the AIS Life Guard will sound its internal 95dB alarm and display a red warning light. For larger installations, it can also be connected to an external alarm (not supplied) so that the whole boat is immediately alerted.

The AIS Life Guard detects both message 1 and message 14, the two AIS messages reserved for AIS SARTs and will also give a short three beep alarm if it detects an AIS SART test message, great for checking correct operation of your AIS SARTs prior to a voyage.

SPECIFICATIONS

- World’s first dedicated AIS Man Overboard Alarm system
- Listens to AIS data on NMEA0183 Input
- Alarms when AIS SART message 1 and 14 are detected
- Internal 95dB buzzer with option to drive external alarm (not supplied)
- Audible and Visual Alarms
- Push button to silence alarm (short press) and reset alarm (long press)
- Easy to install IP54 black box solution

DIMENSIONS

150mm x 155mm x 37.5mm
(L x W x D)

PART NUMBER

ZDIGAISLG
UPC
30955183718

SUPPLIED WITH

0.75m Power/Data cable and User Manual



AIS



SAFETY



INTERFACE

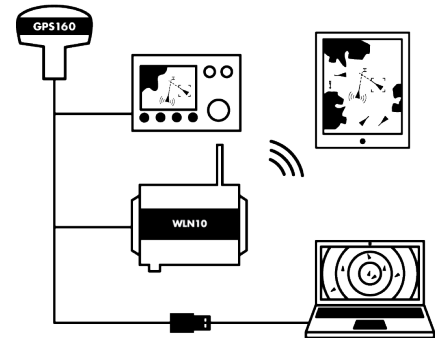
NAVIGATION SENSORS

Whether you need an accurate position source for your chart plotter or DSC Radio or you need the wind information or a fast heading reference for your radar/chart plotting system, our NMEA0183/2000 and SeaTalk compatible navigation sensors are perfect for current and legacy systems.

Our sensors are easy to install and offer Plug-And-Play compatibility with your PC, Tablet, Smartphone and Navigation Systems.



GPS160 TRINAV™ GPS/GLONASS/GALILEO SENSOR



Typical system

“The GPS160, a high performance positioning sensor using GPS, Galileo and Glonass satellite systems for exceptional positioning accuracies and redundancies.”

KEY FEATURES

Digital Yacht have unveiled their TriNav™ GPS160, a new, high performance positioning sensor using GPS, Glonass and the new Galileo satellite systems for exceptional positioning accuracies and redundancies. 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 allowing easy and flexible NMEA 2000 installation without the need for cumbersome drop cables. The GPS160 wireless GPS antenna version is supplied with Digital Yacht NMEA to WiFi gateway for wireless navigation with tablets and iPads 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.

Most modern plotters support this with a clear MOB icon and instant bearing and distance information to navigate to the casualty.

SPECIFICATIONS

- 72 channel GPS, Glonass and Galileo GNSS positioning receiver
- Typically sub 1m accuracy thanks to TriNav™ technology –combines all satellite data for optimum accuracy
- Can be configured as dedicated GPS, Glonass or Galileo only device
- Sophisticated anti-spoofing algorithm for robust positioning performance and interference rejection
- User/field selectable 4800, 38400 and 115200 baud operation through simple internal DIP switches
- Multiple formats of NMEA data output including datum information – user configurable through internal DIP switches
- Up to 18Hz update rate (user selectable)
- Ultra low (<20mA) power consumption at 12V DC
- 10m cable
- Input for MOB switch/system –when activated generates synthetic AIS MOB NMEA output to activate MOB position on plotter
- Professional system (ECDIS) support with datum sentence structure (DTM/GBS/GNS/GRS/GSA/GST)
- Puck installation or fits 3rd party industry standard 1” x 14TPI threaded mount

DIMENSIONS

75mm
(D)

PART NUMBER

ZDIGGPS160

UPC

703791696031

SUPPLIED WITH

Supplied with User manual and a 10m cable



TriNav

GPS, GLONASS AND NOW GALILEO

The GPS160 supports GPS, Glonass and Galileo positioning. 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. It joins the GPS and GLONASS systems and offers mariners a 3rd reliable positioning source. It is planned to be fully operational in 2020.

The EU funded €10 billion project is named after the Italian astronomer Galileo Galilei. One of the aims of Galileo is to provide an independent high-precision positioning system so European nations do not have to rely on the U.S. GPS or the Russian GLONASS systems which could be disabled or degraded by their operators at any time. The use of basic Galileo services will be free and open to everyone. Galileo is intended to provide horizontal and vertical position measurements within 1m precision and better positioning services at higher latitudes than other positioning systems. Galileo will also provide a new global search and rescue (SAR) function as part of the MEOSAR system enabling an acknowledgement signal for EPIRBs of a distress signal received.

There are currently 22 satellites in usable condition (operational and contributing to the service provision), 2 satellites are in “testing” and 2 more are marked as not available. The final constellation should be deployed by 2020 and will consist of 30 satellites (24 operational and 6 spares).

SEATALK VERSION



The GPS160 SeaTalk version is supplied with Digital Yacht SeaTalk1 to NMEA0183 converter allowing easy replacement of older Raystar sensors. Digital Yacht’s SeaTalk to NMEA (ISO) Converter is a small but powerful interface that provides bi-directional conversion between a SeaTalk network and an NMEA0183 network. It takes its power from the SeaTalk1 network.

NMEA2000 VERSION



The GPS160 NMEA 2000 version is supplied with Digital Yacht iKonvert NMEA 2000 gateway allowing easy and flexible NMEA 2000 installation without the need for cumbersome drop cables. It allows an easy and thin 10m cable to be run from the GPS160 to the nearest point on the NMEA 2000 backbone for the iKonvert to connect to.

WIRELESS VERSION



The GPS160 wireless GPS antenna version is supplied with Digital Yacht NMEA to WiFi gateway for wireless navigation with tablets and iPads. The NMEA to WiFi gateway creates a secure, password protected wifi network on board to footprint the boat with data. It supports both UDP (for multiple connections) and TCP/IP interfaces for maximum compatibility with apps so you can be using a PC at the chart table with an iPad on deck.

VERSIONS

NMEA2000
SEATALK
WIRELESS

PART NUMBER

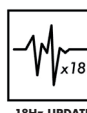
ZDIGGPS160N2K
ZDIGGPS160ST
ZDIGGPS160WL

UPC

703791696055
703791696062
703791696079

SUPPLIED WITH

10m cable and iKonvert
10m cable and Seataalk/NMEA converter
10m cable and Smart WLN10



GPS160USB TRINAV™ GPS/GLONASS/GALILEO SENSOR



Typical system

“The GPS160USB variant ships with a 5m USB cable. It’s self powered from the USB source (PC, MAC or Linux).”

KEY FEATURES

Digital Yacht have unveiled their TriNav™ GPS160, a new, high performance positioning sensor using GPS, Glonass and the new Galileo satellite systems for exceptional positioning accuracies and redundancies. 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 GPS160USB variant ships with a 5m USB cable. It’s self powered from the USB source (PC, MAC or Linux). When installed, a virtual COM port is created on the host PC so navigation programs can receive positioning data. If a longer cable or the MOB feature is required, it’s best to utilise the GPS160 (standard NMEA version) with our USB-NMEA adaptor cable.

Galileo is the new global navigation satellite system (GNSS) that has been developed over the past two decades. It joins the GPS and GLONASS systems and offers mariners a 3rd reliable positioning source. It is planned

to be fully operational in 2020. There are currently 22 satellites in usable condition (satellite is operational and contributing to the service provision), 2 satellites are in “testing” and 2 more are marked as not available. The final constellation should be deployed by 2020 and will consist of 30 satellites (24 operational and 6 spares).

SPECIFICATIONS

- 72 channel GPS, Glonass and Galileo GNSS positioning receiver
- Fitted with a 5M USB cable
- It’s self powered from the USB source (PC, MAC or Linux)
- Typically sub 1m accuracy thanks to TriNav™ technology –combines all satellite data for optimum accuracy
- Can be configured as dedicated GPS, Glonass or Galileo only device
- Sophisticated anti-spoofing algorithm for robust positioning performance and interference rejection
- User/field selectable 4800, 38400 and 115200 baud operation through simple internal DIP switches
- Multiple formats of NMEA data output including datum information – user configurable through internal DIP switches
- 10m cable
- Up to 18Hz update rate (user selectable)
- Ultra low (<20mA) power consumption at 12V DC
- Professional system (ECDIS) support with datum sentence structure (DTM/GBS/GNS/GRS/GSA/GST)
- Puck installation or fits 3rd party industry standard 1” x 14TPI threaded mount

DIMENSIONS

75mm
(D)

PART NUMBER

ZDIGGPS160USB
UPC
703791696048

SUPPLIED WITH

Supplied with user manual, 5m cable and CD



USB



GPS



GLONASS



GALILEO



TRINAV

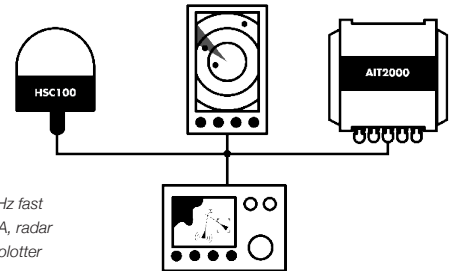


18Hz UPDATE



TURBONAV

HSC100 COMPASS SENSOR



The HSC100 will provide a 10Hz fast heading output for AIS, MARPA, radar course up/north up and chart plotter applications

Typical system

“Fluxgate compass with auto calibration and fast heading output for MARPA or course up radar stabilisation”

KEY FEATURES

Accurate 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. Integrated instrument systems can also benefit from having compass information to calculate real time tidal set and drift when interfaced with a log and GPS.

Most low cost heading sensors only output data at 1Hz (once per second) but the HSC100 outputs at 10Hz which is required for MARPA target tracking and accurate radar overlays (Part # ZDIGHSC100).

We have also released a new “Rate of Turn” version of the HSC100 that outputs the HDT and ROT messages required by a Class A transponder. For non-mandatory vessels, this provides a simple low cost solution for adding heading and rate of turn to Class A transponders (Part # ZDIGHSC100T)

The HSC100 is waterproof (to IPx7) so can be mounted externally on

steel hulled vessels. It also features an automatic calibration routine to compensate for the effects of nearby magnetic influences. This involves turning the boat through 1.5 circles at a constant angular velocity whilst in calibration mode. Once completed, typical accuracies are within 0.5 degrees.

SPECIFICATIONS

- 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)
- 12/24v DC operation with minimal power consumption
- Waterproof to IPx7 and suitable for external mounting on a steel hulled vessels
- Automatic calibration routine and manual compass offset feature
- Additional AD10 heading output for interface to Furuno systems
- LED Status Indicator
- 15m interconnect cable

DIMENSIONS

68mm x 30mm
(W x H)

PART NUMBER

ZDIGHSC100
ZDIGHSC100T

UPC

030955183688
030955183763

SUPPLIED WITH

15m Cable and manual

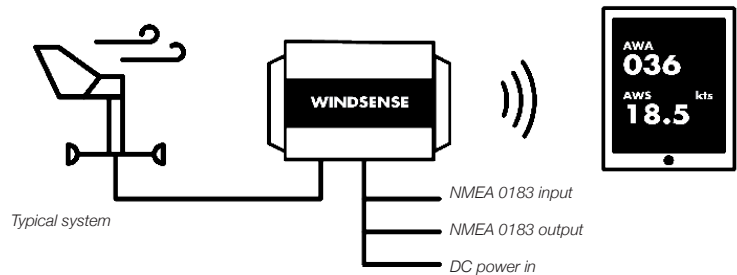


COMPASS



INTERFACE

WINDSENSE WIRELESS WIND SYSTEM



“Competitive, high performance wind system designed for use with iPads and tablets and with NMEA interface”

KEY FEATURES

WindSense 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 providing a wifi 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. It's compatible with a wide range of apps for iOS and android. The built in wifi will typically footprint a GRP boat up to 30m

It has been attractively priced and positioned as a low cost replacement or addition to any marine electronics system but offers significantly enhanced accuracy, reliability and functionality with easy interfacing enabling a tablet to become a complete instrument display with other connected sensors. There are many vessels equipped with just a speed and depth system who require wind data too and also many older wind systems requiring replacement where customers do not want the substantial cost of a totally new instrument package. Depending upon the app utilised, true wind information, VMG and other sailing performance parameters may also be calculated.

Installation is easy with an ultra-thin mash head unit cable with removable connector which plugs directly into the interface unit.

SPECIFICATIONS

- Stand alone or networkable (via NMEA 0183) wind system with precision mast head unit
- Wired connection with super-thin cable from MHU to below deck interface with wireless WiFi and wired NMEA connections
- Ultra tough Igildur mast head unit bearings for exceptional life and corrosion resistance
- Full range of apps for iOS & Android plus compatible with multiple PC and MAC apps
- Support for up to 7 WiFi connected devices – use multiple smart phones, iPads or tablets as a display at the helm, chart table or on deck
- NMEA 0183 output (\$MWW)
- NMEA 0183 (4800 or 38400 baud) input with multiplex facility for WiFi connection
- WiFi can be standalone or joined to existing network
- Minimal power consumption
- Optional NMEA 2000 interface

DIMENSIONS

160 x 90mm
(W x D)

PART NUMBER

ZDIGWS
UPC
081159830625

SUPPLIED WITH

Masthead unit at 20m cable
WindSense Interface & WiFi Unit
NMEA/Power cable



INTERFACE



IOS



MAC



ANDROID



Windows 10



LINUX



WIRELESS



MULTIPLEXER



WIND

INTERFACES

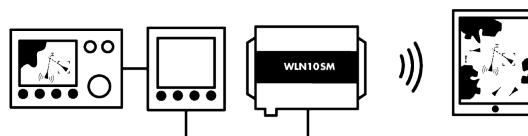
Digital Yacht's NMEA Interfacing products provide smart and cost effective solutions for connecting dedicated marine electronics to the latest consumer devices such as smart phones, laptops and tablets.

NMEA is the National Marine Electronics Association (NMEA) is a US-based marine electronics trade organisation setting standards of communication between marine electronics.

There are currently two main standards: NMEA0183 and NMEA2000. Digital Yacht has developed an entire range of converters allowing existing navigation system to be connected to new navigation system or other devices.



SMART WLN10 WIRELESS NMEA0183 SERVER (4800 OR 38400 BAUD)



Typical system

“This smart NMEA to WiFi gateway allows tablets & mobile devices to connect to existing on board GPS, AIS and instrument systems”

KEY FEATURES

Digital Yacht’s new WLN10 Smart NMEA to WiFi gateway takes iPad and tablet integration afloat even further with the ability to connect to existing on board GPS, AIS and instrument systems and transfer data wirelessly to an iPad or tablet – allowing compatible apps to display and compute with real time information. The WLN10 creates a secure, password protected wifi network on board to footprint the boat with data.

When connected to, for example, an AIS system, real time AIS target position and identity data will be displayed on detailed electronic charting through compatible apps including NavLink, TimeZero, iAIS, Weather4D, SailGrib, iSailor, Seapilot and hundreds more. The tablet or PC becomes a full function navigation display.

This new version of the WLN10 can now be programmed through its simple browser interface for NMEA 0183 data at 4800 or 38400 baud and for initial programming: Just logon to the IP address and you can set baud rate, SSID and password. No complicated programming! Through the web interface, you can also view NMEA data received for easy fault finding of issues.

The WLN10 Smart supports both UDP (for multiple connections) and TCP/IP interfaces for maximum compatibility with apps so you can be using a PC at the chart table with an iPad on deck. It’s also bidirectional so apps can control an autopilot if this function is enabled.

The Smart WLN10 has one NMEA0183 input which can be configured through the web interface. You can also utilise our SeaTalk to NMEA adaptor to allow SeaTalk instrument data to be interfaced directly to the WLN10 Smart. Now works with the popular Navionics Boating App for Apple iOS and Android to display GPS and AIS data on your Navionics charts. Go on our blog to see the list of best apps on iOS or Android devices.

SPECIFICATIONS

- NMEA 0183 to WiFi server (4800 baud or 38400 baud)
- Web interface for setup and initial programming
- Set baud rate, SSID and password through web interface
- Supports both UDP (for multiple connections) and TCP/IP interfaces
- View NMEA data received for easy fault finding of issues.
- Supports a bi directional Wi-Fi interface
- Fully compatible with popular navigation apps and software
- Easy to install IPX4 black box solution

DIMENSIONS

105mm x 72mm
(L x W)

PART NUMBER

ZDIGWLN10SM
UPC
081159830885

SUPPLIED WITH

1m Power/Data cable and User Manual
WiFi antenna is built-in



WIRELESS



INTERFACE



WEARABLE



IOS



MAC



ANDROID



Windows 10

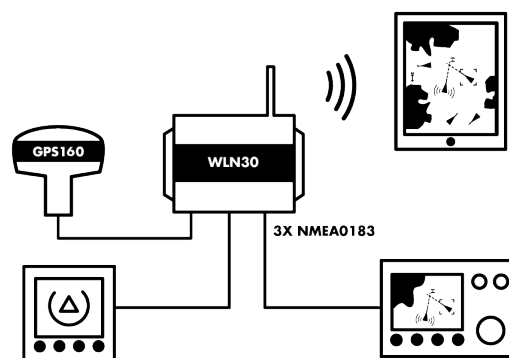


LINUX

WLN30 SMART WIRELESS NMEA0183 MULTIPLEXER



Typical system



“The WLN30 is a smart NMEA to WiFi Multiplexer designed to connect your smart phone and other wireless devices to your boat’s navigation systems. It features three NMEA0183 inputs and easy web interface configuration.”

KEY FEATURES

Digital Yacht’s new WLN30 Smart Wireless NMEA Multiplexer takes iPad and tablet integration afloat even further with the ability to connect to existing on board GPS, AIS and instrument systems and transfer data wirelessly to an iPad or tablet – allowing compatible apps to display and compute with real time information. The WLN30 creates a secure, password protected wifi network on board to footprint the boat with data.

The new WLN30 has three NMEA0183 Inputs and one NMEA0183 Output, which can be programmed through its simple browser interface to operate at 4800 or 38400 baud rates. Data received on the three inputs is multiplexed together and transmitted to any wireless devices connected to the WLN30’s wireless network. The same multiplexed data is also available on the NMEA 0183 Output or in an alternative mode the NMEA 0183 Output can be configured to forward data from the wireless application, such as next waypoint or autopilot data, to other NMEA 0183 equipment.

All configuration of the WLN30 can be done through its own simple web interface, just open your web browser, enter the WLN30’s IP address and you can set baud rates, multiplexing mode, network name, password and select AP mode. No complicated programming software or app required

and you can even view the received NMEA data in the web browser, for easy fault finding of issues. The WLN30 supports TCP and UDP network protocols for maximum compatibility with apps. If you want to have full bi-directional control of an autopilot, with guaranteed data integrity or you want to be the only person receiving the data, then select TCP. If however, you want to receive the same data on multiple devices, for instance a PC at the chart table and an iPad on deck, then select the UDP broadcast protocol.

With its three NMEA0183 inputs, you can also utilise our SeaTalk to NMEA adaptor to allow SeaTalk instrument data to be interfaced directly to the WLN30 or our iKonvert gateway to connect NMEA 2000 data.

SPECIFICATIONS

- Three input NMEA 0183 to WiFi Multiplexer (4800 baud or 38400 baud)
- Multiplexed data transmitted over Wi-Fi and NMEA 0183 Output
- Web interface for setup and initial programming
- Set baud rates, SSID and password through web interface
- Supports both TCP and UDP (for multiple connections) protocols
- View received NMEA data in web browser for easy fault finding of issues
- Supports a bi directional Wi-Fi interface for autopilot control
- Fully compatible with popular navigation apps and software
- Easy to install IPX4 black box solution

DIMENSIONS

105mm x 72mm x 32mm
(L x W x D)

PART NUMBER

ZDIGWLN30SM
UPC
081159830892

SUPPLIED WITH

1m Power/Data cable, Wifi Antenna
and User Manual



WIRELESS



INTERFACE



WEARABLE



MULTIPLEXER



IOS



MAC



ANDROID

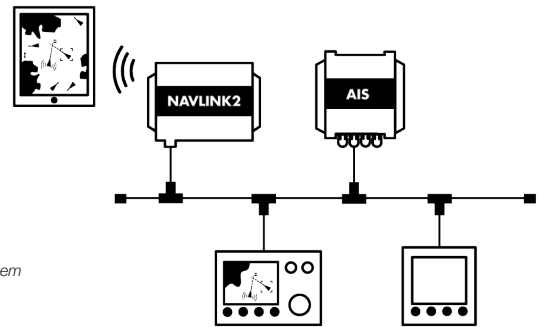


Windows 10



LINUX

NAVLINK2 WIRELESS NMEA2000 SERVER



“NavLink 2 is an easy to fit NMEA2000 to Wifi gateway designed to make NMEA 2000 navigation data available for apps on smartphones, tablets, iPads and PCs.”

KEY FEATURES

NavLink 2 is an easy to fit NMEA2000 to Wifi gateway designed to make NMEA 2000 navigation data available for apps on smartphones, tablets, iPads and PCs. It connects direct to the NMEA 2000 back bone and is also self-powered from the data network so installation literally takes seconds.

Once installed, it creates a local wifi network for devices to connect or can be programmed to join an existing wireless network if one is already installed. This is ideal for devices like the Furuno wireless radar which require operation through their own dedicated network but require NMEA 2000 data integration for charting apps.

Now works with the popular Navionics Boating App for Apple iOS and Android to display GPS and AIS data on your Navionics charts.

SPECIFICATIONS

- 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 apps
- Compatible with all popular apps like iNavX, TimeZero, Weather 4D, Navionics, SailGrib, NavLink, iSailor, SeaPilot, AquaMap etc
- Up to 7 connected devices
- Compatible with Windows, Linux, MAC OS, iOS and Android
- Easy web interface for programming
- Password protected
- Can act as dedicated wireless server or can connect to an existing wireless network
- Diagnostic data display mode and LED status lights
- Internal hi gain wifi antenna
- Super-fast 230KBs operation
- Optional raw data mode for developers and advanced users
- Supplied with NMEA 2000 cable

DIMENSIONS

105mm x 72mm
(L x W)

PART NUMBER

ZDIGNLINK
UPC
081159830915

SUPPLIED WITH

1m NMEA2000 cable
WiFi antenna built-in



WIRELESS



INTERFACE



WEARABLE



IOS



MAC



ANDROID



Windows 10



LINUX

FAQS ABOUT SMART WLN10/WLN30/NAVLINK2

DO I NEED AN INTERNET CONNECTION?

No internet connection is required. Many consumers get confused and automatically associate wifi with internet. The WLN10/WLN30/Navlink2 creates a wifi network and the local iPad or tablet users searches for this in the same way they search for a wifi hotspot. Once connected, NMEA data is sent over the local link created on board the boat.

HOW MANY DEVICES CAN CONNECT?

Up to 7 devices can connect using UDP. TCP/IP is a one to one connection format. PCs, MACs, Android, Linux and iPhone/iPad are all compatible.

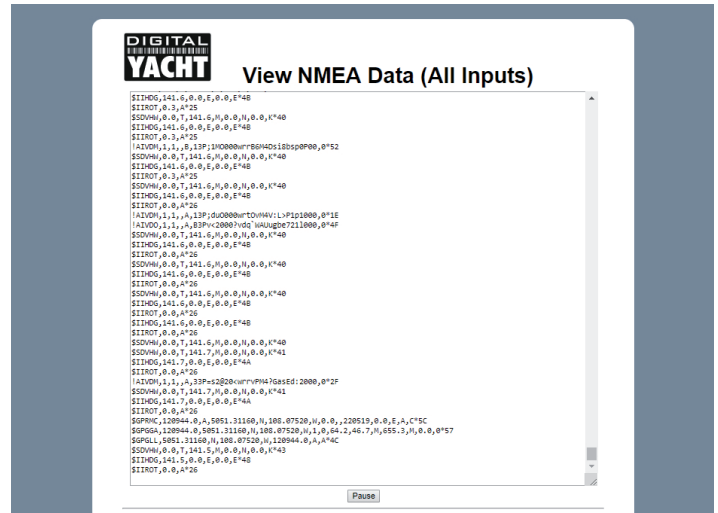
WHAT'S THE DIFFERENCE BETWEEN THE NEW WLN10/30/NAVLINK AND THE OLD NMEA WIFI?

It's a complete new chipset with improved performance, fully opto-isolated input and outputs, web interface for programming SSID, passwords and baud rate to make stocking and installing easier. It is also super competitively priced.



WHERE CAN I FIND COMPATIBLE APPS?

We keep up to date reviews on our news blog at www.digitalyacht.net – search for Best Marine Apps for Android or iOS. Popular apps include iRegatta, iNavX, NMEA Remote, iAIS, NavLink, iSailor, SeaPilot, Weather 4D, MaxSea TimeZero, SailGrib and literally 100s more. WLN10/WLN30/NavLink2 are also compatible with navigation software on PC/Mac/Linux.



HOW TO CONFIGURE THE PRODUCT?

All configuration can be done through a simple web interface, just open your web browser, enter the product's IP address (192.168.1.1) and you can set baud rates, multiplexing mode, network name, password and join an existing network.

I HAVE ALREADY A WIFI ROUTER ON BOARD - CAN I JOIN THE PRODUCT WIFI TO AN EXISTING NETWORK?

Yes! You can program this through the web interface so you just have one wifi network on board with the WLN10/WLN30/Navlink2 linked directly to that as a client. This works well with Furuno WiFi radar installations.

WHAT IS THE WIRELESS INTERFACE RANGE?

The wifi will typically footprint a boat up to 25m LOA. Contact us if you need a bigger footprint or have a steel or carbon vessel.

NTN10 NMEA 0183 TO NETWORK GATEWAY



“Overlay NMEA navigation data onto an existing network”

KEY FEATURES

Many large yachts now have an ethernet network installed at the build stage to allow easy installation of modern IT & communications products. The NTN10 allows NMEA 0183 navigation data to also be connected to the network, sharing the same cabling and allowing devices connected to the network to utilise this data.

On larger vessels, there will often be multiple wireless access points connected to the network and these can then also wirelessly transfer the data to connected devices like iPads and tablets.

The main reason for installing is to get navigation data from the vessels instruments, AIS or GPS onto the main network. It means connected devices like iPads or tablets then only have one network to select which can aggregate internet and navigation network data. Skippers can then use their iPad for navigation tasks using the main boat’s data. It also introduces the capability of an internet connected app for functionality such as live chart updates or weather overlays.

The NTN10 supports both TCP/IP and UDP data formats for maximum compatibility and can accept 4800 or 38400 baud NMEA data.

SPECIFICATIONS

- NMEA to network server
- Configurable for 4800 or 38400 format NMEA data and also compatible with MUX100 multiplexer
- UDP or TCP/IP server formats programmable by installer
- Simple RJ45 network connection
- Bi directional interface
- 12/24V installation

DIMENSIONS

150 x 244mm
(H x W)

PART NUMBER

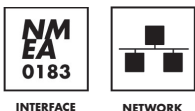
ZDIGNTN10

UPC

081159830359

SUPPLIED WITH

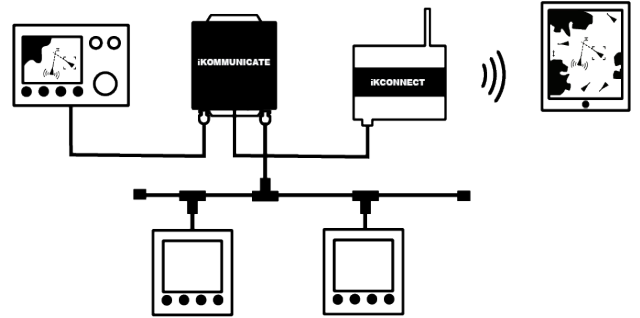
0.75m NMEA cable, 1m RJ45 network cable



INTERFACE

NETWORK

IKOMMUNICATE UNIVERSAL INTERFACE



Typical system

“The next generation universal interface for boats”

KEY FEATURES

iKommunicate from Digital Yacht is a radical new gateway designed to get NMEA 0183 and NMEA 2000 based marine electronic systems connected to the next generation of interfacing and the Internet of Things. It was developed via a successful Kickstarter crowd funded project back in early 2016 and is now available as a consumer product. It can also connect to a simple router like our iConnect and provide a wireless feed of nav data to tablet based apps.

iKommunicate also acts as a NMEA to Signal K gateway. Signal K is an HTML5 “web ready” JSON based data format, that makes web and mobile app development really simple - even for amateurs. Apps can be written in minutes and data viewed in a browser. For instance, NMEA 2000 engine data such as fuel flow, temperature and pressure could be logged and then analysed for any trends indicating an engine service requirement. Internet integration is also easy with all sorts of social media possibilities using Twitter and Facebook for logging and tracking. iKommunicate can also act as a simple on board webserver so PDF manuals can be stored and viewed as required. Files can be stored on the integrated SD card reader.

iKommunicate features 3 NMEA 0183 interfaces and an NMEA 2000 interface so there’s plenty of connectivity. It has a built in webserver and ethernet port for easy connection to a wifi router so data can be shared with devices like tablets, Kindles, PCs and smart phones. NMEA data is

also made available on the ethernet port. There are already many apps that are compatible including NMEA Remote, iNavX, Active Captain, and Navionics (for sonar charts).

SPECIFICATIONS

- 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 compatability for easy app development
- Comes pre-installed with some Signal K Web Apps
- Internal 8GB micro SD Card for hosting Web Pages and Apps
- Also provides wireless NMEA over TCP and UDP protocols
- Network Discovery via Bonjour (mDNS) and Windows SDDP
- 1 x RJ45 Ethernet (10/100Mb) network connection
- Easy setup with built-in Web Interface
- Easy to install black box solution

EXTRA APPLICATIONS



The bundle iKommunicate + iConnect sends NMEA0183 & 2000 over Wi-Fi. Perfect combo to receive NMEA data on navigation software & apps.

Part number of this bundle is: ZIDIGKBUN

DIMENSIONS

135 x 120 x 50mm
(L x W x H)

PART NUMBER

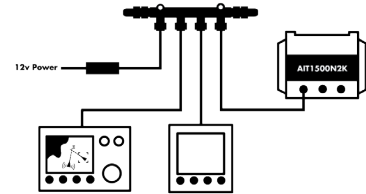
ZDIGIK
UPC
081159830489

SUPPLIED WITH

0.75m NMEA2000 cable, 0.75m Power/Data Cable and 1m RJ45 network cable



NMEA2000 STARTER KIT



Typical system

“A simple and low-cost NMEA 2000 starter kit which allows for up to 3 devices to interconnect.”

KEY FEATURES

NMEA 2000 is now the marine electronics industry’s de-facto standard for interconnection of devices. Using a simple “backbone” network structure, where each device is connected via a “drop cable”, the network must have terminators fitted at each end of the backbone and be separately powered. Specific NMEA2000 waterproof connectors are used throughout for maximum reliability and easy plug ‘n’ play installation.

Digital Yacht’s new NMEA 2000 starter kit is everything you need to create a small network on your boat, such as a chart plotter, AIS and autopilot. It includes a power cable, terminators, a 1m drop cable and a unique 6 way extension block that forms the backbone. Ports at each end accommodate the terminators or allow multiple starter kits to be joined together for a larger network.

Using high quality, nickel plated metal connectors rather than the cheaper plastic type, to improve reliability, the starter kit forms a really neat and compact installation, ideal for DIY installers or boat builders who want an easy and value priced solution for integrating and installing modern boat electronics

The connection system will work with all leading brands and can be expanded using standard components as required.

SPECIFICATIONS

- 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
- Metal connectors and reduced T-Piece connections improve reliability

DIMENSIONS

20.5cm x 11cm x 2cm
(L x W x D)

PART NUMBER

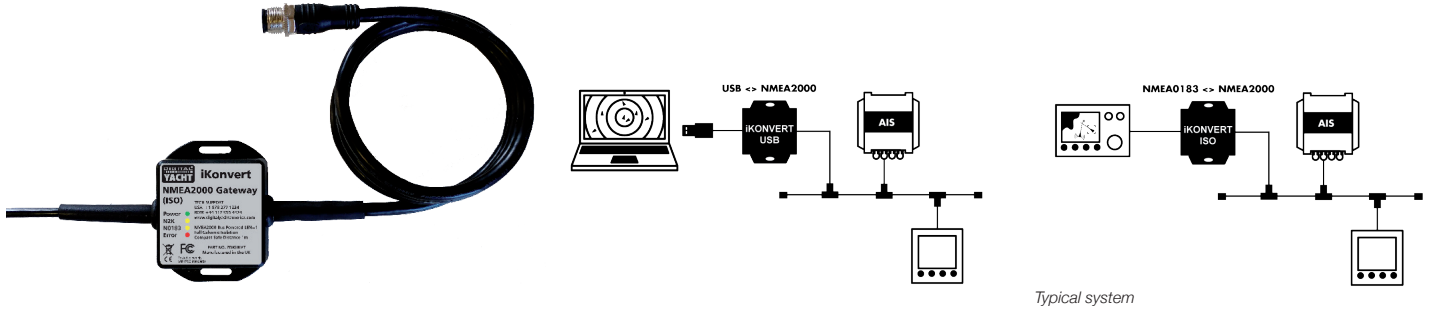
081159830670

SUPPLIED WITH

N2K backbone, 1m Power cable and 1m drop cable.



IKONVERT NMEA2000 TO NMEA0183 CONVERTER (OR USB)



“One NMEA2000 to NMEA0183 (or USB) bidirectional converter for all your data needs”

KEY FEATURES

The iKonvert NMEA2000-0183 Gateway/Converter is an intelligent and flexible gateway for allowing new NMEA2000 equipment to talk to legacy NMEA0183 equipment. Conversions are bi-directional, so whether you want to get the data from older NMEA0183 sensors on to your NMEA2000 network or you have added a new NMEA2000 only MFD and want it to send GPS and Navigation data to your older NMEA0183 VHF and Autopilot, iKonvert will accurately and intelligently carry out the required data conversions.

There are many, many real life applications for NMEA 2000 to NMEA0183, with a plethora of different makes and models of equipment that may need to be connected together. We have designed iKonvert to satisfy as many of these situations as possible by incorporating a simple but effective mode selection method, via a set of DIP switches inside iKonvert. Just remove two screws, open the iKonvert box and using a small screw driver, select the mode you need. The next time iKonvert powers up, it will automatically carry out the conversions you selected.

Digital Yacht’s iKonvert Gateway is housed in a compact and easy to mount housing, with an integral NMEA0183 cable and standard NMEA2000 Micro drop cable (male). Taking its power from the NMEA2000 network, and providing full galvanic isolation between the

NMEA0183 and NMEA2000 networks, iKonvert is the perfect solution for all NMEA conversions. For customers that want to take this converted data in to a computer, please consider the iKonvert USB gateway, that features an integral USB cable that is compatible with all of the popular operating systems (Windows/Mac/LINUX/Android).

SPECIFICATIONS

- Small but powerful bi-directional NMEA 2000 to NMEA 0183 Converter
- Powered from the NMEA2000 network
- Opto Isolated NMEA0183 Interface
- Converts AIS, GPS, Navigation, Instrument and XDR data
- Features “Real Life” data modes for most common installations
- Simple configuration of data modes using DIP switches
- Integral NMEA0183 cable and NMEA2000 Micro (Male) cables
- Full galvanic isolation

USB VERSION



Every popular Marine Navigation application that runs on PC/MAC/LINUX computers, can read NMEA0183 data and for all of those programs, iKonvert provides a simple, reliable and cost effective way to access the navigation data on an NMEA2000 network.

DIMENSIONS

170mm x 66mm x 15mm
(L x W x H)

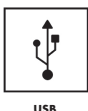
PART NUMBER

ZDIGIKVT
ZDIGIKVTUSB
UPC

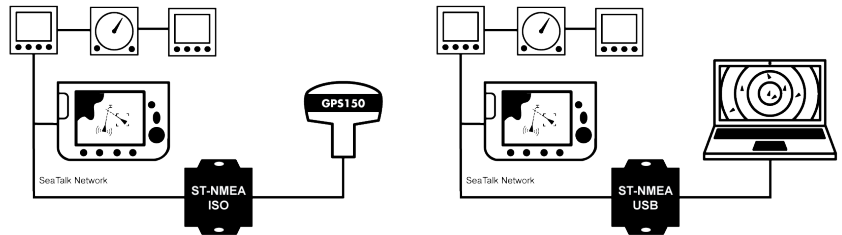
081159830663
081159830908

SUPPLIED WITH

1m NMEA2000 cable, 0.75m
NMEA0183 or USB cable



SEATALK™ TO NMEA0183 CONVERTER (OR USB)



“The ideal data converter for any legacy Autohelm or Raymarine system. The USB version is also available to get SeaTalk™ data on to a computer”

KEY FEATURES

The SeaTalk™ interface, originally developed by Autohelm in the early 1990’s, was included on pretty much all Autohelm and Raymarine (and some Raytheon) products up until about 2012. As a result there are thousands and thousands of boats around the world that have a SeaTalk 1 network and many owners, for one reason or another, need to convert from SeaTalk to NMEA0183 or many owners would like to get the SeaTalk data on to a PC, MAC or LINUX device.

Raymarine’s own SeaTalk to NMEA converter (E85001) is no longer available, and although some instruments/MFDs/autopilots have NMEA0183 interfaces, they do not always convert all of the data or are located in a difficult to wire to location.

Digital Yacht’s SeaTalk™ to NMEA (ISO) Converter is a small but powerful interface that provides bi-directional conversion between a SeaTalk network and an NMEA0183 network or device. Taking its power from the SeaTalk network, the ST-NMEA Converter features a full, multi-transistor SeaTalk 1 interface, an opto-isolated NMEA0183 input and differential NMEA0183 output that allows key navigational data to be reliably shared

between the SeaTalk and NMEA0183 networks. The USB version has a high speed USB 2.0 interface that allows key navigational data to be reliably shared between the SeaTalk network and applications running on the computer.

For developers and advanced users that want to access the raw SeaTalk data, the ST-NMEA converter can also be configured to work in a special “Raw Data” mode (\$\$STALK) which is gaining support in some Open Source projects.

The ST-NMEA (ISO) Converter is ideal for connection to one of Digital Yacht’s wireless NMEA servers, allowing SeaTalk owners to go wireless and a USB Version of the ST-NMEA Converter is also available for direct connection to a PC or Mac.

SPECIFICATIONS

- 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
- The USB version is compatible with all versions of Windows, OSX and LINUX
- Can be configured to operate in “Raw Data” mode (\$\$STALK)
- Converts all of the key navigational data

Note: SeaTalk™ is a registered trademark of Raymarine UK Limited

DIMENSIONS

170mm x 66mm x 15mm
(L x W x H)

PART NUMBER

ZDIGSTN
ZDIGSTNUSB

UPC

081159830700
081159830809

SUPPLIED WITH

0.75m SeaTalk1 cable, 0.75m
NMEA0183 or USB cable

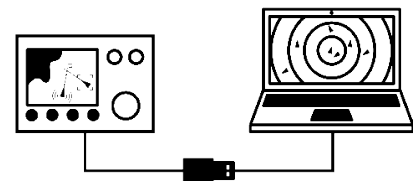


INTERFACE

USB

INTERFACE

USB TO NMEA0183 ADAPTOR



Typical system

“Get NMEA data into your PC or MAC with this super stable interface”

KEY FEATURES

The NMEA to USB Adaptor works on PCs, Macs and Linux computers, and converts NMEA 0183 data, used by many marine systems, into a USB format that can be plugged into most modern computers.

The adaptor is a bi-directional device so data can be sent to and from systems and supports traditional 4800 baud data or the higher speed 38400 baud rate used by AIS systems. LEDs show data being received and transmitted which helps with interfacing issues and all the electronics are encapsulated into the connector. The device creates a virtual COM port on the PC which navigation and charting software can use to read NMEA data. Multiple adaptors can be connected if necessary which effectively allow any number of NMEA ports to be created on your PC.

The device ships with a multi platform driver CD so it can be used on PCs, MACs and even Linux based systems. If you're using the device with an AIS, you'll get a bonus as SmarterTrack Lite AIS viewing software is included on the CD - effectively turning your PC into an AIS target display.

SPECIFICATIONS

- Converts NMEA0183 into USB so that your computer can read the data
- Bidirectional data conversion
- Use with our GPS150 for PC integration
- Low cost simple solution
- More than one adaptor can be fitted to the computer
- 4800, 9600, 38400 and 115200 baud compatible
- Built-in indicator lights flash to show data is being received and transmitted
- Easy plug and play connection to most computers
- Comes with a driver CD and a free copy of SmarterTrack Lite AIS software

DIMENSIONS

1.8m cable

PART NUMBER

ZDIGUSBNMEA

UPC

030955183671

SUPPLIED WITH

1.8m Cable, Manual and CD



USB



INTERFACE



Windows 10

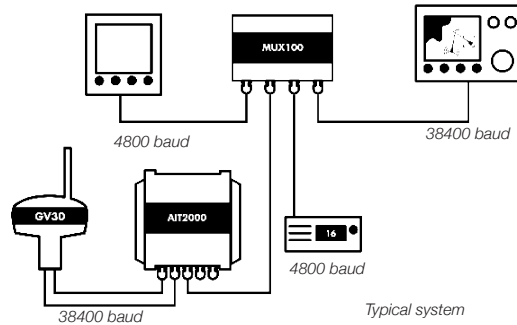


LINUX



MAC

MUX100 NMEA0183 MULTIPLEXER



“The MUX100 multiplexer combines two channels of NMEA 0183 data and makes NMEA 0183 system integration and interfacing easy.”

KEY FEATURES

With modern AIS receivers and transponders outputting high speed NMEA0183 data at 38400 baud, it is often difficult to connect AIS data and low speed GPS or instrument data at 4800 baud to some chart plotters and/or PCs that have just one NMEA 0183 input. With the MUX100, all data received on the two input ports is multiplexed and transmitted on output 1 at 38400 baud. It is pre-configured so that Input 1 accepts AIS data at 38400 baud and input 2 accepts GPS/instrument data at 4800 baud.

Often low speed GPS data is required to give position information to a DSC VHF, but when an AIS transponder is fitted the GPS data is often only available at 38400 baud which will be ignored by the VHF. The MUX100 intelligently takes the GPS data from the AIS present on input 1 and re-transmits this on output 2 at 4800 baud – which can then be connected to the VHF. As a safety feature, should GPS data on input 1 be invalid or lost, the MUX100 will automatically switch to the GPS data on input 2 and transmit this on output 1 and output 2. To avoid duplicated data confusing other equipment, the MUX100 automatically blocks duplicated data on port 2.

Using intelligent priority switching, the MUX100 gives priority to input 1

but if GPS data is invalid or lost on input 1, it will automatically switch to input 2. When valid position data is received again on input 1, it will automatically revert.

Two LEDs on the face of the unit give indication of the data status, with a solid LED showing which port is currently providing GPS position and a flashing light on the other port to show that data is being received. If either LED is not lit or flashing it indicates no NMEA data present.

SPECIFICATIONS

- Dual input/output NMEA0183 multiplexer – simplifies NMEA integration and installation
- Accepts 38400 baud data on input 1 and 4800 baud data on input 2
- Combines all received data and transmits this data on output 1 at 38400 baud
- Extracts the GPS data from the high speed input 1 and re-transmits at low speed on output 2
- Important safety feature - gives priority to GPS on input 1 but switches to input 2 if position lost on input 1. Will switch back to input 1 when valid position fix data is received again
- Easy to install IP54 black box solution
- Opto isolated inputs and true NMEA differential output capable of driving several devices

DIMENSIONS

105mm x 72mm x 32mm
(L x W x D)

PART NUMBER

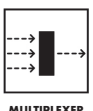
ZDIGMUX100

UPC

081159830120

SUPPLIED WITH

Integral mounting brackets, 0.75m
Power/Data cable and User Manual



ENTERTAINMENT

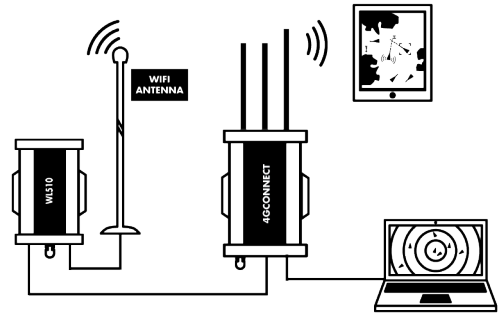
Digital Yacht's boat internet solutions as our long Range Wi-Fi antenna that extend the Wi-Fi connection range of your laptop, tablet or phone from typically 20-30m up to anywhere between 1-6 miles (depending upon conditions). Our marine Wi-Fi antennas easily pick up the hotspot on shore and are also easy to install.

Our other solution is a 4G modem which gets a fast and independant internet access on board up to 20 miles.

We've also developed an omni-directional HD TV antenna.



4G CONNECT



Typical system

“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”

KEY FEATURES

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.

The Standard model has built in Antennas which are fine on most fibre-glass (GRP) hulled boats and will provide good performance when in port and close to shore. For carbon fibre, wooden or metal hulled vessels, or for boat owners that want the maximum possible range, we would recommend our 4GConnect Pro model with external high gain antennas (see next page).

4G Connect has an easy to use interface and it is SIM unlocked so users are free to use any cellular provider they choose. Users in Europe are recommended to utilise a Vodafone SIM as this provides excellent maritime performance.

Operation is simple – turn on, connect to the password protected wifi

hotspot that 4G Connect creates and your device is online. Digital Yacht’s WL510 high power wifi solution can also be connected to the WAN port for a choice between hotspot wifi and 4G connectivity. iKommunicate can also connect to the LAN port providing boat NMEA data on the wifi network for use with navigation apps.

SPECIFICATIONS

- Hi performance 4G/LTE modem for exceptional speed and range with fall back to 2G/3G
- SIM unlocked for any network provider
- Internal Antenna solution with MIMO technology
- LTE Class 3 modem offers long range and up to 70Mbps speeds
- Wifi interface for tablets and phones
- Offers good performance in port on GRP boats
- Ethernet LAN port for connection to iKommunicate navigation interface – allows boat NMEA 0183/2000 data to be available on the wifi network – ideal for smartphone and tablet navigation
- Ethernet WAN port can connect to satellite or WL510 high power wifi system for combination LTE/WiFi hotspot solution
- 12V DC operation with <5W power consumption
- Easy installation
- Easily upgradable to PRO with purchase of external Antennas and cabling

DIMENSIONS

380mm x 125mm x 55mm
(L x W x H)

PART NUMBER

ZDIG4GC

UPC

081159830748

SUPPLIED WITH

1m power cable, modem/router, 2 internal Antennas



INTERNET



WIRELESS



NETWORK



INTERNET



Windows 10

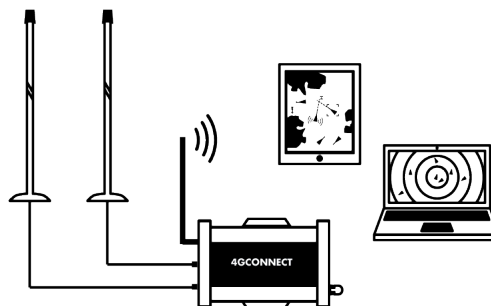


LINUX



MAC

4G CONNECT PRO



Typical system

“The Pro model uses two external Antennas for optimum speed and range and also incorporates a full function wifi router.”

KEY FEATURES

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.

The Pro model ships with two external hi gain Antennas for exceptional long range performance and is the recommended solution for carbon fibre, wooden or metal hulled vessels and for those boat owners that want maximum range in all situations.

4G Connect has an easy to use interface and it is SIM unlocked so users are free to use any cellular provider they choose. Users in Europe are recommended to utilise a Vodafone SIM as this provides excellent maritime performance.

Operation is simple – turn on, connect to the password protected wifi hotspot that 4G Connect creates and your device is online. Digital Yacht’s WL510 high power wifi solution can also be connected to the WAN port for a choice between hotspot wifi and 4G connectivity. iKommunicate can also connect to the LAN port providing boat NMEA data on the wifi

network for use with navigation apps.

The 4G Connect Pro is provided with 7m cable kit so if you need 10m or 20m cable, please contact us.

SPECIFICATIONS

- Hi performance 4G/LTE modem for exceptional speed and range with fall back to 2G/3G
- SIM unlocked for any network provider
- 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 interface for tablets and phones
- Ethernet LAN port for connection to iKommunicate navigation interface – allows boat NMEA 0183/2000 data to be available on the wifi network – ideal for smartphone and tablet navigation
- Ethernet WAN port can connect to satellite or WL510 high power wifi system for combination LTE/WiFi hotspot solution
- 12V DC operation with <5W power consumption
- Optional 1” base adaptor available for Antennas
- Optional 10 & 20m LMR400 assemblies

DIMENSIONS

380mm x 125mm x 55mm
(L x W x H)
Antenna: 480mm (H)

PART NUMBER

ZDIG4GCPRO
UPC
081159830755

SUPPLIED WITH

7m LRM200 cables, 2 mounting support,
2 external antennas, 1m power cable,
router/modem



INTERNET



WIRELESS



NETWORK



INTERNET



Windows 10

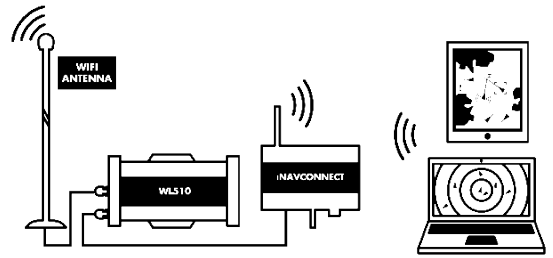


LINUX



MAC

WL510 HI-POWER WI-FI SYSTEM



Typical system

“Flagship hi power wifi connection system with ranges of 4-6NM. Features network interface for router compatibility and easy direct connection with browser interface”

KEY FEATURES

The new 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 Antenna measures 0.9m (2.95ft) and can be supplied with deck, mast and industry standard 1" x 14TPI mountings.

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.

SPECIFICATIONS

- 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) omni-directional Antenna gives ERP up to 4W
- Supplied with threaded deck mount for Antenna and 10m of low loss 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
- No drivers – works with all popular operating systems; Windows XP/ Vista/7/8, Mac OS X and LINUX compatible

Optional WL510-20 unit available with 20m cable.

DIMENSIONS

170mm x 107mm x 55mm
(L x W x H)
Antenna: 895mm (H)

PART NUMBER

ZDIGWL510
UPC
738435472603

SUPPLIED WITH

1m network cable, 10m Coax
Cable, Antenna, Base Mount and
User Manual



WIRELESS



NETWORK



INTERNET



Windows 10

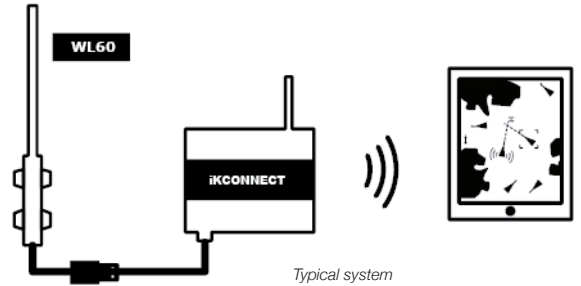


LINUX



MAC

iKCONNECT WIFI ROUTER



“The perfect mini router for our USB WL60 Long Range Wi-Fi adaptor or our latest iKommunicate Signal K gateway”

KEY FEATURES

iKConnect is a compact but powerful wireless router that provides a cost effective way to setup a wireless network on your boat. With direct connection to the boat’s 12v DC, high gain 5dB Antenna and a small foot-print, simple to install black box, iKConnect can be easily fitted to any vessel.

Pre-configured and optimised for use with our USB WL60 Long Range Wi-Fi Antenna, the combination of an iKConnect with a WL60 is the lowest cost complete Wi-Fi solution that Digital Yacht have ever released and is an ideal way to connect your non-3G iPad or Android tablet to the internet when in harbour. With a simple web interface that controls the WL60 to scan and connect to the marina hotspot, iKConnect makes getting an internet connection on your boat a breeze.

iKConnect is also the perfect accessory for our latest iKommunicate Signal K gateway allowing mobile devices to wirelessly receive the Signal K or NMEA data anywhere on the boat. In fact the combination of iKConnect, iKommunicate and a WL60 allows the boat to have a single wireless network that provides both navigational data and internet access, without the hassle of switching wireless networks.

For ultimate long range Wi-Fi connectivity simply swap the WL60 for Digital Yacht’s top of the range WL510 system which seamlessly connects to the iKConnect WAN socket.

SPECIFICATIONS

- 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
- Creates an 802.11n wireless network onboard with full WEP/ WPA/ WPA2 encrypted password protection
- 5dB detachable Antenna
- USB interface for WL60 and a WAN connection for WL510
- Easy to install black box solution

DIMENSIONS

130mm x 75mm x 25mm
(L x W x D)

PART NUMBER

ZDIGIKC
UPC
081159830205

SUPPLIED WITH

1m Power cable, 1m Network Cable,
Wifi Antenna and User Manual



WIRELESS



NETWORK

DTV100 MARINE HDTV & FM ANTENNA



“A high performance, omni-directional HD TV Antenna that lets you start taking advantage of free to air HD digital TV signals”

KEY FEATURES

The DTV100 features a unique Antenna design that provides high gain, omni-directional reception of both vertically and horizontally polarized digital TV signals. Designed for marine use, with a pole mount or 1" x 14TPI thread mount adaptors, the Antenna is waterproof to IP68 and is constructed from ultra tough UV resistant ABS casing, designed to be permanently mounted on the boat.

With a 10m (33ft) low loss RG6 cable, that is terminated in a slim F-Type screw connector, for easy routing through tight spaces and secure and reliable connection to the DTV100 amplifier box.

The DTV100 features a variable amplifier (-7dB to +29dB) that can attenuate really strong signals for when you are close to a TV transmitter (to avoid distortion) and that can also significantly amplify weak signals when you are in more remote locations.

The amplifier can work from a 12v or 24v DC boat supply, features a useful on/off switch and has a green LED power indicator. The standard amplifier has one TV output and one FM radio output, while the optional dual channel amplifier can drive two TVs and an FM radio.

Most countries are now transmitting free to air digital TV channels (including many HD services) and the DTV100 ensures you get perfect reception where ever your boating may take you.

DTV200 also available with 20m antenna cable and dual out amplifier.

SPECIFICATIONS

- Very high performance omni-directional digital TV Antenna
- Waterproof to IP68, tough UV resistant casing that is designed for permanent mounting on the boat
- Global reception capability of latest digital DVB/HDTV signals
- Pole and 1" x 14TPI thread mount adaptors
- 1 x TV and 1 x FM radio outputs as standard
- Optional 2 x TV and 1 x FM radio amplifier accessory
- Variable gain below deck amplifier unit (-7dB to +29dB) with integral On/Off switch and power indicator
- 10m RG6 cable with slim and secure F-Type connector
- 12v or 24v DC operation (typicall 20-60mA)

DIMENSIONS

280mm diameter x 200mm high
(Dia x H)

PART NUMBER

ZDIGDTV100

ZDIGDTV200

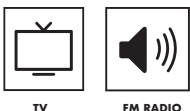
UPC

081159830427

081159830786

SUPPLIED WITH

Pole and 1" x14TPI thread mount adaptors, 10m cable, amplifier, power lead and fixings. 20m cable for the DTV200



TV

FM RADIO

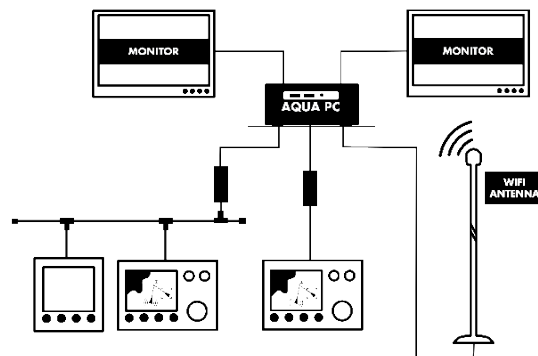


PC, SOFTWARE & APPS

A Digital Yacht marine PC not only brings email and web access but also Electronic Charting, Navigation and entertainment onto your boat. Utilising the latest processors that balance fast performance with low power consumption, solid state hard drives and rugged "fit for purpose" components and build quality, Digital Yacht boat PCs are the perfect solution for a permanent PC installation onboard any sail or power boat.

Digital Yacht has created innovative, easy to use and powerful Android & iOS apps and navigation software for smartphones, tablets and PCs.

AQUA COMPACT PRO PC



Typical system

“Latest 8th generation Intel i3 with HD5500 graphics with the power to run MaxSea/Nobeltec TimeZero charting programs”

KEY FEATURES

When you need a more powerful PC to run the latest 3D TimeZero charting or weather routing software from companies like MaxSea and Nobeltec, the Aqua Compact Pro provides all of the processing and graphics power required in an ultra compact case that really does fit in the palm of your hand.

Featuring the latest 8th generation Intel Core i3 processor, 8GB of 1600MHz RAM, a 120GB solid state drive and with Windows 10 pre-installed, the Aqua Compact Pro is the perfect boat PC.

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. Equipped with navigation software, a PC turns into a full function chart plotter. 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.

Also available Aqua Compact Pro+ with Intel i7, 240GB drive and 8GB RAM. Ideal for use with 3D bathymetric and radar overlay systems

NOTE - the Aqua Compact Pro does have an internal fan and should be mounted in a location that has good air circulation.

LATEST WIRELESS TECHNOLOGY

The Aqua Compact Pro features the latest 802.11AC wireless adaptor that can operate on 2.4GHz or 5GHz and also supports BlueTooth. The internal wifi card can be configured to act as a wireless router for our entry level WL60 long range Wi-Fi adaptor, allowing multiple users to share the internet connection.

SPECIFICATIONS

- The perfect solution for demanding navigation applications like MaxSea/Nobeltec TimeZero even with radar and 3D integration
- Direct 12v DC Operation (8-19v input), approx 20W power consumption
- 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
- Front panel mounted audio jack for audio in/out
- Windows 10 operating system
- Built in mic for Cortana speech control and recognition – voice control is here!
- Micro SD slot – ideal for Navionic’s cards with our SmarterTrack PC navigation software
- Just 115mm x 110mm x 50mm
- Easy installation with supplied mounting bracket
- LINUX or Windows 8 OS option at no extra charge

DIMENSIONS

115mm x 110mm x 50mm
(L x W x H)

PART NUMBER

ZDIGAQCP
ZDIGAQCPPL

UPC

081159830502
081159830632

SUPPLIED WITH

Power cable, Mounting bracket,
Software CD and Manual



WINDOWS 10



SOLID STATE DRIVE



USB

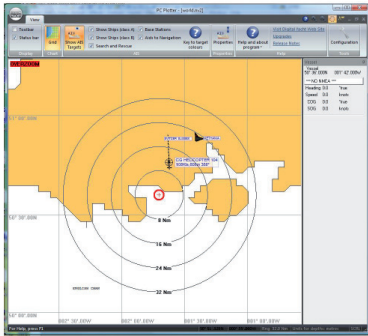


NETWORK



LOW POWER

SMARTERTRACK LITE SOFTWARE



“Supplied free with our AIS systems, this is a great PC viewer for AIS systems”

KEY FEATURES

SmarterTrack LITE is a simple, but effective graphical AIS display program for PCs. The data collected by AIS units is meaningless without some sort of graphical display that shows where the AIS targets are in the real world, relative to your vessel.

SmarterTrack LITE does just this by plotting all surrounding AIS targets on a world map or, as you zoom in, on a blank radar type screen with variable range rings.

Designed to give customers an immediate taste of what AIS is all about, SmarterTrack LITE can then be upgraded to the full version as and when required.

AIS support includes; colour coded targets, user selectable labelling of targets, target course lines and fast AIS Information recovery, making it the ideal introduction to AIS software on the market.

SmarterTrack LITE can be used on any PC running a Windows XP/ Vista/7/8 operating system.

SPECIFICATIONS

- Simple graphical AIS display software for PCs
- Plots all detected AIS targets on world map
- Automatically switches to AIS “Radar” type display as you zoom in
- Colour coded AIS Targets with course lines
- Each AIS target shown with user selectable label
- Allows easy programming of Class A Transponder voyage data
- Will display wireless NMEA 0183 data from Digital Yacht’s iAIS, WLN10 and Boatranet products
- Can be upgraded to full SmarterTrack package

DIMENSIONS

N/A

PART NUMBER

ZDIGSTLITE

UPC

N/A

SUPPLIED WITH

N/A



Windows 10

SMARTERTRACK SOFTWARE



Navionics charting



Weather overlay



Sophisticated AIS overlay

“Easy to use PC navigation software compatible with Navionics charts. Powerful features and AIS enhanced displays”

KEY FEATURES

SmarterTrack is the ideal PC navigation software for anyone who has a dedicated chart plotter that uses Navionics Gold and Platinum chart cartridges or who is new to electronic charting and wants simple to use PC navigation software with good AIS support.

Planning at home, monitoring from the chart table or as a self contained independent backup system, SmarterTrack turns your PC in to an invaluable navigation tool that will display your GPS position and the location of all the surrounding AIS targets on the accurate and detailed Navionics electronic charts.

AIS support includes; colour coded targets, user selectable labelling of targets, fully configurable CPA and TCPA alarms, visual indication of CPA, AIS targets drawn to scale and many other settings and features that make this software ideal for displaying AIS data. Entering the route you wish to sail, checking the tides, overlaying weather (GRIB files), confirming depths or nav-aids on the chart and a whole host of other routine navigational tasks can be performed simply and effortlessly with SmarterTrack. SmarterTrack now also supports Navionics’s Sonar charts which give highly detailed sub-sea information and additional depth contours generated from user supplied local data. SmarterTrack can also utilise the internal

wifi adaptor on Aqua PCs to support apps like Splashtop which allow remote display mirroring on iPads and tablets – perfect as a 2nd station display. On this latest version, Navionics’s charts can be copied to the PC hard drive allowing charts to be shared between plotter and PC with no additional costs. Navionics’s charts are widely used by Lowrance, Raymarine, Simrad, B&G and Humminbird plotters so SmarterTrack makes an ideal partner to an on board plotter.

SPECIFICATIONS

- Simple yet powerful PC Navigation software
- Supports Navionics’s Gold or Platinum chart cartridges – NOTE ONLY charting features supported not 3D capability of Platinum
- Now compatible with Navionics Smart Charts
- Excellent AIS support
- Full set of configurable alarms
- Displays tidal height and tidal flow data
- Optimum departure time capability from tidal data
- 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
- Will display wireless NMEA 0183 data from Digital Yacht’s iAIS, WLN10 and iKommunicate

DIMENSIONS

N/A

PART NUMBER

ZDIGSTPCN

UPC

738435472566

SUPPLIED WITH

N/A



DVD



NAVIONICS

App Icon <small>(Click for Website)</small>	App Name <small>(Developer)</small>	External NMEA	Charts	AIS	Instruments	Weather + Tides	Racing	Price
	NavLink HD <small>(Digital Yacht)</small>	✓	UKHO S57 Vector	✓	✓	✓	✗	FREE (IAP)
	iNavX <small>(NavX Studios LLC)</small>	✓	Navionics NOAA Raster	✓	✓	✓	✗	£££
	iSailor <small>(Transas)</small>	✓	Transas	✓	✓	✓	✗	£££
	Boating <small>(Navionics)</small>	Depth+GPS Data Only	Navionics	✗	✓	✓	✗	££
	SeaPilot <small>(SeaPilot)</small>	✓	S57 Vector	✓	✗	Weather Only	✗	£££
	Imray <small>(Imray)</small>	✓	Imray	✓	✓	✗	✗	££
	SeaNav <small>(Pocket Mariner)</small>	✓	S57 Vector	✓	✗	✓	✗	££
	SeaIQ <small>(Sakhalin)</small>	✓	Multiple Vector + Raster	✓	✓	✓	✗	££
	TimeZero <small>(MaxSea)</small>	✓	MapMedia	✓	✓	✓	✗	£££
	SailTimer <small>(SailTimer Inc)</small>	Wind Data Only	S57 Vector	✗	✓	✗	✓	££
	NV Charts <small>(NV Charts)</small>	✓	NV Digital	✓	✓	✗	✗	FREE (IAP)
	Boat Beacon <small>(Pocket Mariner)</small>	✓	Apple Maps	✓	✗	✗	✗	£
	iRegatta Pro <small>(Ziffgo)</small>	✓	Apple Maps	✓	✓	✗	✓	££
	Sail Racer <small>(Valdymo)</small>	NMEA + Signal K	Raster	✗	✓	✗	✓	FREE (IAP)
	NKE Pro <small>(NKE)</small>	✓	✗	✗	✓	✗	✓	FREE (IAP)
	Mid Wi-Fi <small>(Veera Solutions)</small>	✓	OpenStreet Map	✓	✓	✗	✓	££
	Charts & Tides <small>(Navimatics)</small>	✓	USA + Canada S57 Vector	✓	✗	Tides Only	✗	££
	iAIS <small>(Digital Yacht)</small>	✓	Navionics	✓	✓	✗	✗	FREE (IAP)
	NMEAre mote <small>(Zapfware)</small>	✓	✗	✗	✓	✗	✗	£
	Boat Instruments <small>(Imray)</small>	✓	✗	✓	✓	✗	✗	£
	iOnBoard <small>(Digital Yacht)</small>	✓	✗	✗	✓	✗	✗	£
	WilhelmSK <small>(Scott Bender)</small>	Signal K	Navionics	✓	✓	✗	✗	££
	Signal View <small>(Adam Hyde)</small>	Signal K	✗	✗	✓	✗	✗	FREE

App Icon (Click for Website)	App Name (Developer)	External NMEA	Charts	AIS	Instruments	Weather + Tides	Racing	Price
	AF Track (A. Fischer)	✓	NV Digital	✓	✓	✗	✗	£
	AIS Config (Digital Yacht)	✓	✗	✓	✗	✗	✗	FREE
	AIS Pilot (i-BC art)	✓	OpenSea Maps	✓	✗	✗	✗	FREE
	AISView (Digital Yacht)	✓	Google Maps	✓	✗	✗	✗	£
	Boat Beacon (Pocket Mariner)	✓	Google Maps	✓	✗	✗	✗	£
	i-Boating (GPS Nautical Charts)	✓	Vector + Raster	✓	✓	Tides Only	✗	££
	iOnBoard (Digital Yacht)	✓	✗	✗	✓	✗	✗	FREE
	iRegatta (Madman Marine)	✓	✗	✓	✓	✗	✓	££
	iSailor (Transas)	✓	Transas	✓	✓	✓	✗	££
	Marine Navigator (Ronald Koenig)	✓	Vector + Raster	✓	✗	✗	✗	££
	Memory-Map (Memory Map Inc.)	✓	Raster	✓	✓	✗	✗	££
	Navionics	Depth+GPS Data Only	Navionics	✗	✓	✓	✗	££
	NKE Display (NKE)	✓	✗	✗	✓	✗	✓	FREE (IAP)
	NV Charts (NV Charts)	✓	NV Digital	✓	✓	✓	✗	FREE (IAP)
	OpenCPN (Open Source)	✓	Vector + Raster	✓	✓	✓	✗	FREE
	Outboard View (Digital Yacht)	Signal K	✗	✗	✓	✗	✗	£
	qtVlm (Maitai)	✓	Vector + Raster	✓	✓	Weather Only	✓	££
	SailGrib WR (SailGrib)	✓	Navionics + Raster	✓	✓	✓	✓	££
	Sail Racer (Sailracer.net)	NMEA + Signal K	Raster	✓	✓	✗	✓	£
	SailTracker (Iacobus)	✓	Google Maps	✓	✓	✗	✓	££
	SEAIq (Sakhalin LLC)	✓	Vector + Raster	✓	✗	Weather Only	✗	££
	SeaPilot (SeaPilot)	✓	Vector	✓	✗	Weather Only	✗	££
	SeaWi Marine (SeaWi Marine)	✓	OpenSea Maps	✓	✓	✗	✗	£
	Smart Boat (Ocean Wave Ventures)	NMEA + Signal K	✗	✗	✓	✗	✗	£
	WinGPS (Stentec)	✓	Raster	✓	✓	✓	✗	££
	WindSense (Digital Yacht)	✓	✗	✗	✓	✗	✗	FREE



MA800 Passive GPS Antenna (P/No. X500.391) is supplied with all Digital Yacht AIS Transponders and is an ideal replacement Antenna for many makes of GPS receivers and chart plotters. Will work from a 3v or 5v pre-amplifier voltage.

Deck mounting bracket (P/No. ZCELE179F) that is supplied with our WL510 long range Wi-Fi Antenna and is a useful accessory for any commercial VHF, Wi-Fi or other marine Antenna that has the less common 1.25" Pipe Thread mount.



Popular adaptor that allows an Antenna with a 1.25" pipe thread mount, such as the WL510 Antenna, to be mounted on a standard 1" x 14TPI thread VHF mount (P/No. ZCELN280F).

Powerful AIS Tuned commercial grade VHF Antenna that will give you maximum AIS range (P/No. ZDIGCELCX4A). Has an N-Type female connector in the base of the Antenna and we recommend using this with low loss 50 ohm coax cable such as RG-213 for best performance, particularly on long cable runs.



Digital Yacht also have a wide range of antenna mounts and connectors to fit any type of installation.



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