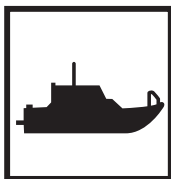


DIGITAL DEEP SEA

DIGITAL DEEP SEA PRODUCTS ARE DESIGNED FOR THE PROFESSIONAL MARKET INCLUDING COMMERCIAL SHIPPING, FISHING, WORKBOAT, SUPER YACHT AND NAVAL APPLICATIONS. THEY'RE BUILT TOUGH FOR A DEMANDING ENVIRONMENT YET SHARE THE SAME INNOVATIVE DESIGNS AND GREAT VALUE OFFERED BY OUR LEISURE PRODUCTS. PRODUCTS SUCH AS OUR CLA1000 CLASS A AIS AND OUR AIS SART ALSO CARRY WHEELMARK IMO COMPLIANCE FOR MANDATED INSTALLATIONS. OUR AQUA PC PRODUCTS CAN ALSO FIND A PLACE ABOARD ANY COMMERCIAL INSTALLATION AND BRING PC BENEFITS TO THE HIGH SEAS.



SUPERYACHT



WORK BOAT



**COMMERCIAL
FISHING**

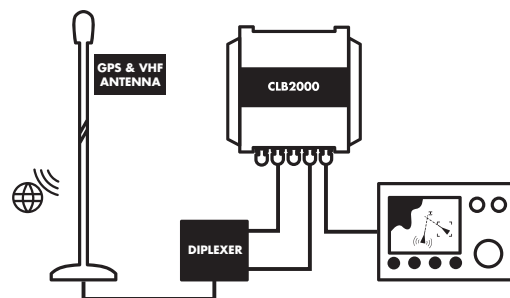


**COMMERCIAL
SHIPPING**



NAVAL

CLB2000 CLASS B TRANSPONDER



Typical system

"Class B AIS transponder for non-mandated vessels. The best solution for AIS with a combination GPS/VHF antenna"

KEY FEATURES

The CLB2000 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.

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 and Furuno units.

The CLB2000 is supplied with an easy to install combination VHF+GPS antenna, that allows one RG58 cable to connect the 1.1m Antenna to the CLB2000, via a splitter that connects directly in to the CLB2000.

As well as transmitting your own vessel's position so that other AIS equipped vessels know where you are, the CLB2000, will receive all AIS targets within range of your boat – typically up to 30NM

Featuring a remote silence button option, two NMEA 0183 Inputs and Outputs, four status LEDs and rugged vibration-proof mounting brackets, the CLB2000 is the perfect AIS transponder solution for all commercial

vessels up to 300 tonnes that are not mandated to fit a Class A.

SPECIFICATIONS

- Latest generation AIS technology – featuring a brand new AIS transponder (Class B) design
- 12v and 24v Operation
- Ideal for use with existing plotter and radar systems
- Built-in high performance 50 channel GPS receiver (ideal also as a backup GPS)
- USB Interface for simple plug and play connection to a PC or Mac
- High speed NMEA output (38,400 baud) – compatible with industry standard plotters
- Supplied with a 1.1m ultra slim, combination VHF+GPS antenna complete with deck mounting and splitter box with connecting cables to CLB2000 – requires RG214 cable between Antenna and Splitter
- Remote silence function
- Supplied with programming software for user programming
- Easy to install black box solution with integral mounting brackets

The CLB2000 can also be supplied without the combination GPS-VHF antenna but with a GPS standard antenna. Price is the same as the AIT2000.

DIMENSIONS

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

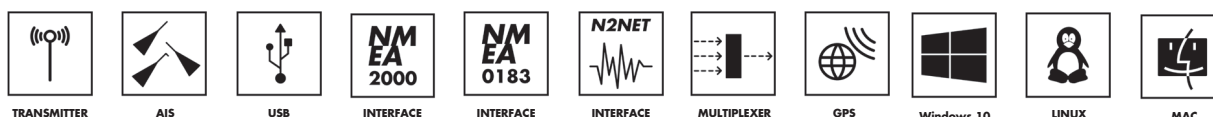
PART NUMBER

ZDIGCLB2000
UPC
030955183725

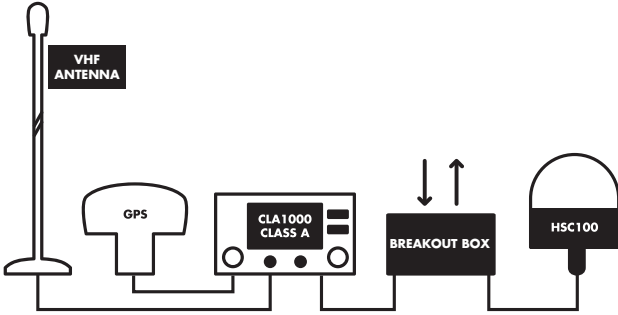
SUPPLIED WITH

0.75m Power/Data cable, 0.75m USB cable, 0.75m N2Net cable, Combo GPS/VHF Antenna+Splitter

PRICE



CLA1000 CLASS A TRANSPONDER



Typical system

“Fully IMO approved, Class A AIS transponder for certified installation on vessels over 300 GRT”

KEY FEATURES

The CLA1000 from Digital Deep Sea is a fully approved, Class A transponder that meets all IMO requirements. Built to the most demanding of standards, the CLA1000 is MED Wheel Marked and comes with a global 2 year warranty.

Normally fitted to larger vessels that are mandated to fit a Class A Transponder due to their size or number of passengers, many smaller non-mandated vessels can also benefit from fitting a Class A transponder. With 12W transmit power, compared to 2W for Class B, many off shore sail boats will benefit from being visible at greater ranges, whilst the faster (up to every 2 seconds) update rate of the Class A transmissions, compared to every 30 seconds with Class B, will definitely benefit larger power boats that can go a long distance in 30 seconds.

Two other important benefits of Class A Transponders are that they take priority over Class B transponders in areas of high AIS traffic (transmission slot allocation is guaranteed for Class A transponders) and they are always displayed on other Class A transponders and ECDIS systems on board large commercial vessels.

Hitting a new price point for Class A Transponders, the CLA1000 is now

a realistic consideration for non-mandated vessels that would benefit from fitting a Class A transponder but could not justify the previously high price of this type of device.

SPECIFICATIONS

- Fully approved and MED Wheel Marked Class A Transponder
- Ultra Compact Design
- Easy soft key and rotary encoder operation
- Built-in GPS with easy to fit 1” x 14tpi mount GPS antenna
- Pilot Plug for easy PC connection
- Remote break out box for on-board interfacing
- Supplied with configuration software and SmarterTrack Lite AIS software

DIMENSIONS

195mm x 105mm x 157mm
(W x H x D)

PART NUMBER

ZDIGCLA
UPC
738435472573

SUPPLIED WITH

GPS Antenna, breakout box, trunion bracket, flush mount kit, power lead and manual

PRICE



TRANSMITTER



AIS



USB



INTERFACE



MULTIPLEXER

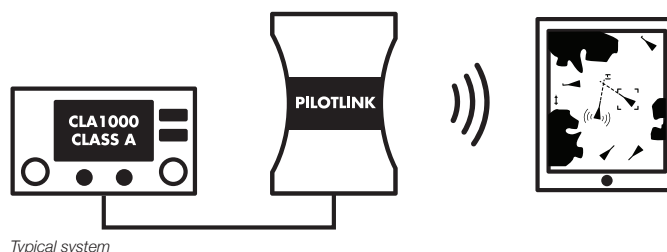


GPS



IMO APPROVED

PILOTLINK CLASS A AIS WI-FI INTERFACE



“Connects to the pilot plug interface so iPad, iPhones and other tablets can share the AIS data via a wifi link”

KEY FEATURES

PilotLINK is a wireless interface for Class A AIS systems. All Class A transponders share a common “Pilot Plug” connector that PilotLINK connects directly to via a 1m cable. PilotLINK then creates a wifi navigation network on board the vessel which allows AIS and GPS data from the Class A to be sent directly to any connected mobile devices such as phones or tablets. It’s compatible with iOS and Android systems (depending upon app utilised) as well as PC & MAC based systems.

PilotLINK is stand alone and can operate from its internal, user replaceable, dry battery (PP3) for up to 15 hours. Alternatively, it can connect via a standard mini USB connector to any USB style power pack or AC/DC USB power adaptor that are readily available from many 3rd parties.

PilotLINK is compatible with a wide variety of apps and PC programs. iAIS is a free of charge app from Digital DeepSea which gives a basic AIS radar type display and target information. It’s also compatible with iSailor and iNavX - both popular charting/AIS products and many other 3rd party apps available through the Apple App store or Google Play on Android. PilotLINK can also interface with a PC or MAC. Popular navigation programs such as SmarterTrack, SeaPro, RosePoint and MaxSea for PCs or macENC for a Mac are all compatible. PilotLINK ships with a

complimentary copy of SmarterTrack Lite - a full featured AIS display program for Windows PCs.

SPECIFICATIONS

- Wireless Interface for Class A AIS Transponders
- Reads GPS and AIS data directly from the transponders Pilot Plug
- Supports bi-directional communication for configuring the transponder
- Uses standard NMEA data for maximum compatibility with software applications
- Free iAIS App for iPhone, iTouch or iPad
- Complimentary copy of SmarterTrack Lite for PCs
- Creates a wireless access point with a typical range of 30m
- Transmits data via TCP/UDP link
- TCP allows single device connection while UDP allows multiple devices to receive the data
- Fully compatible with many popular Apps and software programs
- Rugged handheld design can be fitted with optional rubber jacket
- Powered from internal 9v PP3 battery or optional external USB power source

DIMENSIONS

117mm x 70mm x 25mm
(L x W x D)

PART NUMBER

ZDIGPLINK
UPC
081159829988

SUPPLIED WITH

1m Pilot Plug cable, User Manual and CD

PRICE



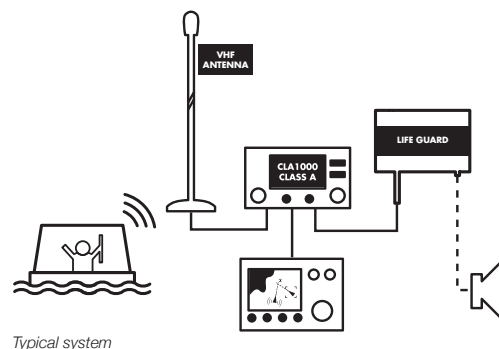
AIS



INTERFACE

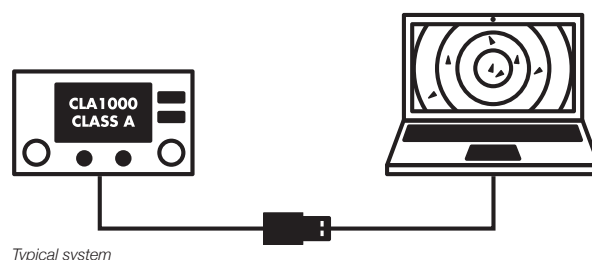


WIRELESS



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PILOT PLUG USB CABLE



“Easy PC connections from a Class A AIS to a PC or MAC”

KEY FEATURES

All AIS Class A Transponders have a special “Pilot Plug” that is intended to allow a Commercial Pilot to quickly and reliably connect their laptop PC to the Class A Transponder when they arrive onboard.

The Digital Deep Sea Pilot Plug Cable, allows anyone to connect their PC to a Class A Transponder and receive NMEA0183 AIS and GPS data via a USB port. With some models of Class A transponders, this cable can also be used to configure the Class A with static AIS data and/or the mandatory voyage data that should always be programmed in to a Class A transponder before starting a passage.

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 has integral LEDs that flash as data is being received (green) and transmitted (red) which helps with interfacing issues.

The Pilot Plug Cable creates a virtual COM port on the PC which navigation and charting software can use to read NMEA data. 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 a Windows PC,

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

- 1.8m Cable
- Fully NMEA 0183 compatible (differential RS422)
- Conforms to the IMO SN/Circ.227
- Bidirectional data connection
- Low cost simple solution
- Built-in indicator lights flash to show data is being received and transmitted
- Easy plug and play connection to most computers (Windows/Mac/LINUX)
- Comes with a driver CD and a free copy of SmarterTrack Lite AIS software

DIMENSIONS

1.8m cable

PART NUMBER

ZDIGPPL

UPC

030955183749

SUPPLIED WITH

1.8m Cable, Manual and CD

PRICE



AIS



USB



Windows 10



LINUX



MAC

CLASS A PC PILOT PLUG EXTENSION CABLE



KEY FEATURES

All AIS Class A Transponders have a special “Pilot Plug” that is intended to allow a Commercial Pilot to quickly and reliably connect their laptop PC to the Class A Transponder when they arrive onboard.

Often on larger vessels the normal 1-2m length of the Pilot Plug can make connecting to the vessels Class A transponder difficult. As most Pilot Plug cables use a USB interface, which is limited to 5m, extending the cable can be problematic.

The Digital Yacht extension cable, extends the NMEA0183 wiring and not the USB wiring making it possible to extend up to 10m (or more) plus the length of the existing Pilot Plug cable.

SPECIFICATIONS

- 10m Cable
- Conforms to the IMO SN/Circ.227
- Can be used to extend any Pilot Plug
- Allows you to extend the cable without increasing the USB cable length which is limited to 5m

DIMENSIONS

10m cable

PART NUMBER

ZDIGPPLEXT
UPC
081159830182

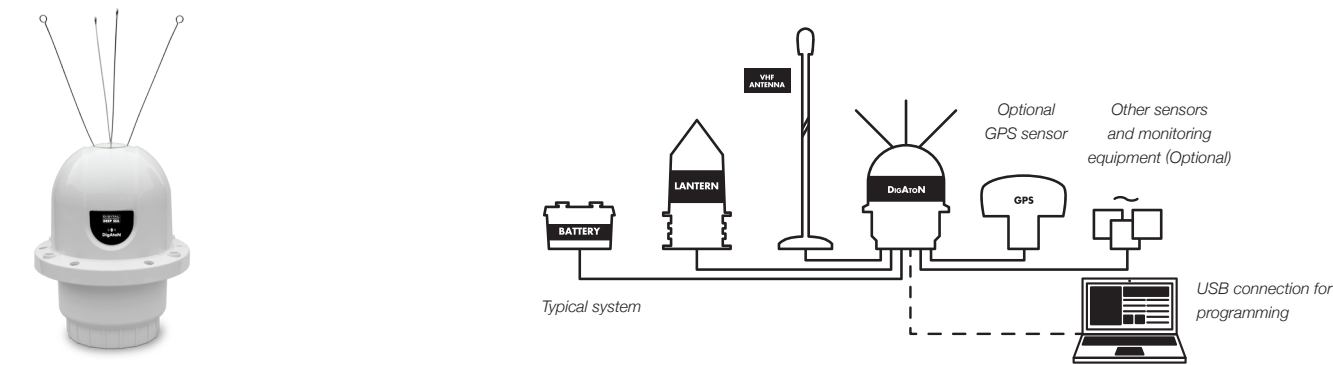
SUPPLIED WITH

N/A

PRICE



DigAtoN



KEY FEATURES

DigAtoN AIS AtoNs fit to marine structures, hazards, buoys or can be configured to represent a virtual or synthetic point if mounted remotely from a physical location. AIS equipped vessels and shore stations can then not only identify the position of these marks but also read data (such as weather and instruments) collected by the AtoN. The DigAtoN is available as a Class 1 device (transmit only) or a Class 3 device (transmit and receive). Class 1 devices require a local AIS base station to be operating in the same area as the AtoN whereas Class 3 devices can internally allocate slots for transmission allowing them to be placed anywhere. Class 3 devices can also be configured and queried remotely and wirelessly “chained” together for extended range configuration. DigAtoN products are also available with an additional sensor interface installed to allow extended monitoring and digital switching capability.

SPECIFICATIONS

- Available as a Class 1 or Class 3 device
- Ultra tough and waterproof to IPX7
- Approved for global use
- Internal GPS sensor and antenna with external antenna option available with best in class power consumption (important for self powered structures)
- Class 3 devices support chaining and remote (VDL) configuration and monitoring

- Virtual and synthetic capability (up to 5)
- Adjustable transmit power (1 to 12.5W)
- Highly configurable for all AtoN applications with full range of interface solutions from Digital DeepSea
- Additional S models feature extended I/O capability –
 - Current sense
 - Three non-isolated analogue inputs and two isolated analogue inputs
 - 5 isolated digital I/Os and 5 non-isolated digital I/Os
 - Two RS232 ports and a fully isolated RS422/NMEA port
 - Two relay drive outputs
 - SDI-12 serial bus
 - Input voltage monitor (no external connection required)

APPLICATIONS

- Marking offshore structures, wind farms, wrecks, points of interest or danger areas
- Transfer of local meteorological conditions such as wind, pressure, wave height. Custom data transmission to base stations such as electrical status, tide, current, salinity etc measurements and localised tide and current information
- Use virtual or synthetic AtoN capability to mark 5 virtual points (ideal for yacht club racing or movable marks)

DESCRIPTION	PART NUMBER	UPC	PRICES
ATN1000 CLASS 1 ATON	ZDIGATN1000	081159830267	
ATN1000S CLASS 1 ATON WITH SENSOR INTERFACE	ZDIGATN1000S	081159830274	
ATN3000 CLASS 3 ATON	ZDIGATN3000	081159830281	
ATN3000S CLASS 3 ATON WITH SENSOR INTERFACE	ZDIGATN3000S	081159830298	



AIS



USB



INTERFACE



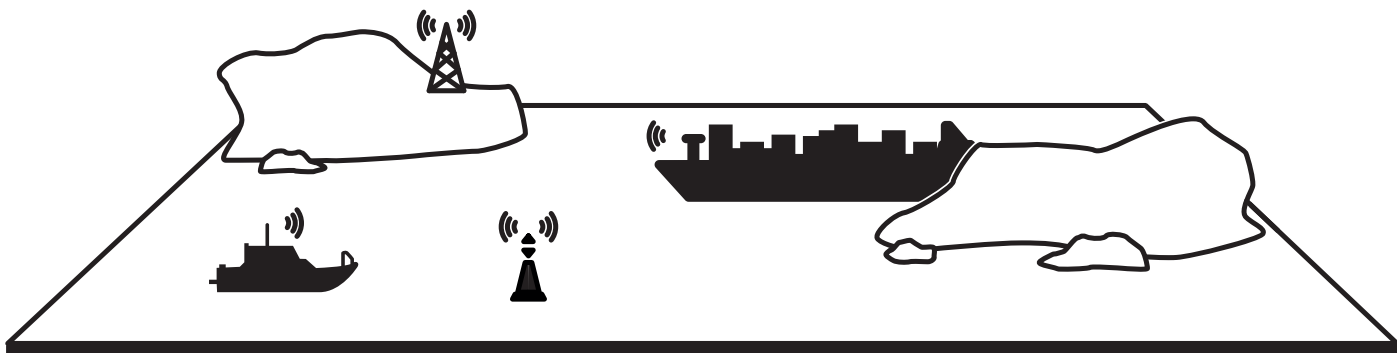
ATON CLASS 1



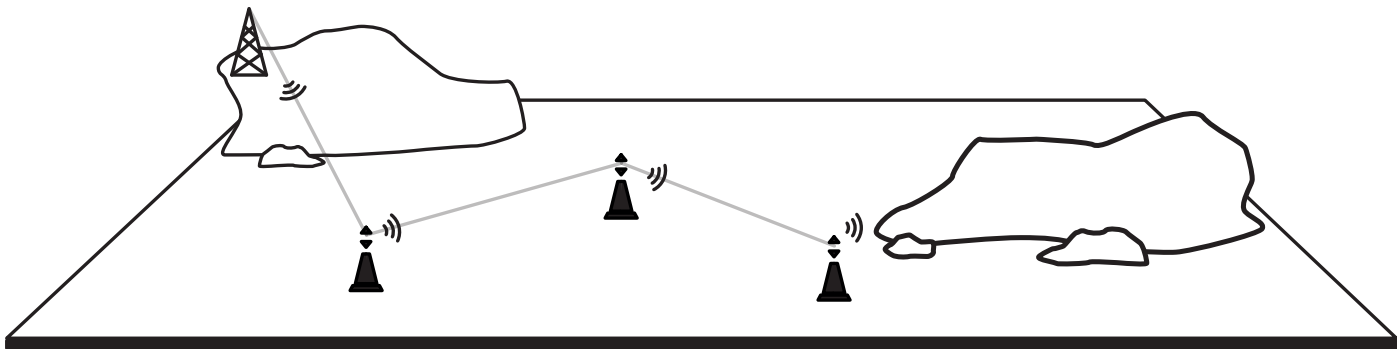
ATON CLASS 3



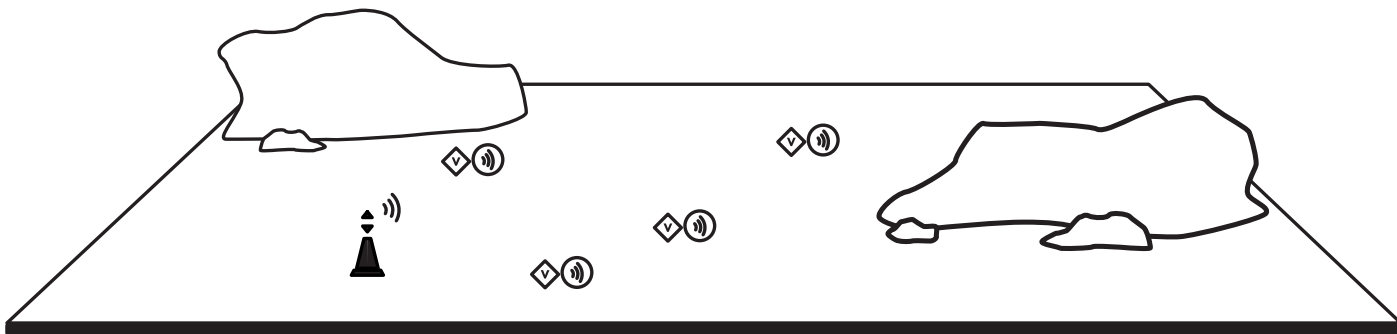
LOW POWER



AIS AtoN application



AtoN chaining



Virtual AtoN

SUPPLIED WITH

ZDIGATN1000
ZDIGATN3000

AIS DigAtoN Transceiver
Mounting bracket and fixings
Bird deterrent components
Product manual and CD
USB configuration cable
Power and data cable

ZDIGATN1000S
ZDIGATN3000S

AIS DigAtoN Transceiver
Mounting bracket and fixings
Bird deterrent components
Product manual and CD
USB configuration cable
Power and data cable
Sensor
Interface cables

DIMENSIONS

235mm x188mm
(H x W)

387mm x 188mm
(H x W)





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