



# Nucleus<sup>®</sup>

**AIT3000 • CLASS B AIS • WIFI • ANTENNA SPLITTER**

## **AIT3000 Nucleus Class B AIS Transponder**

**On Board Class B AIS Hub with VHF antenna splitter and WiFi**

Part Number: ZDIGAIT3000  
UPC: 08115983030  
Retail Price: GBP £825.00\*

\* Price excludes VAT



## Introduction

# Nucleus AIT3000 Class B AIS Transponder

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 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.

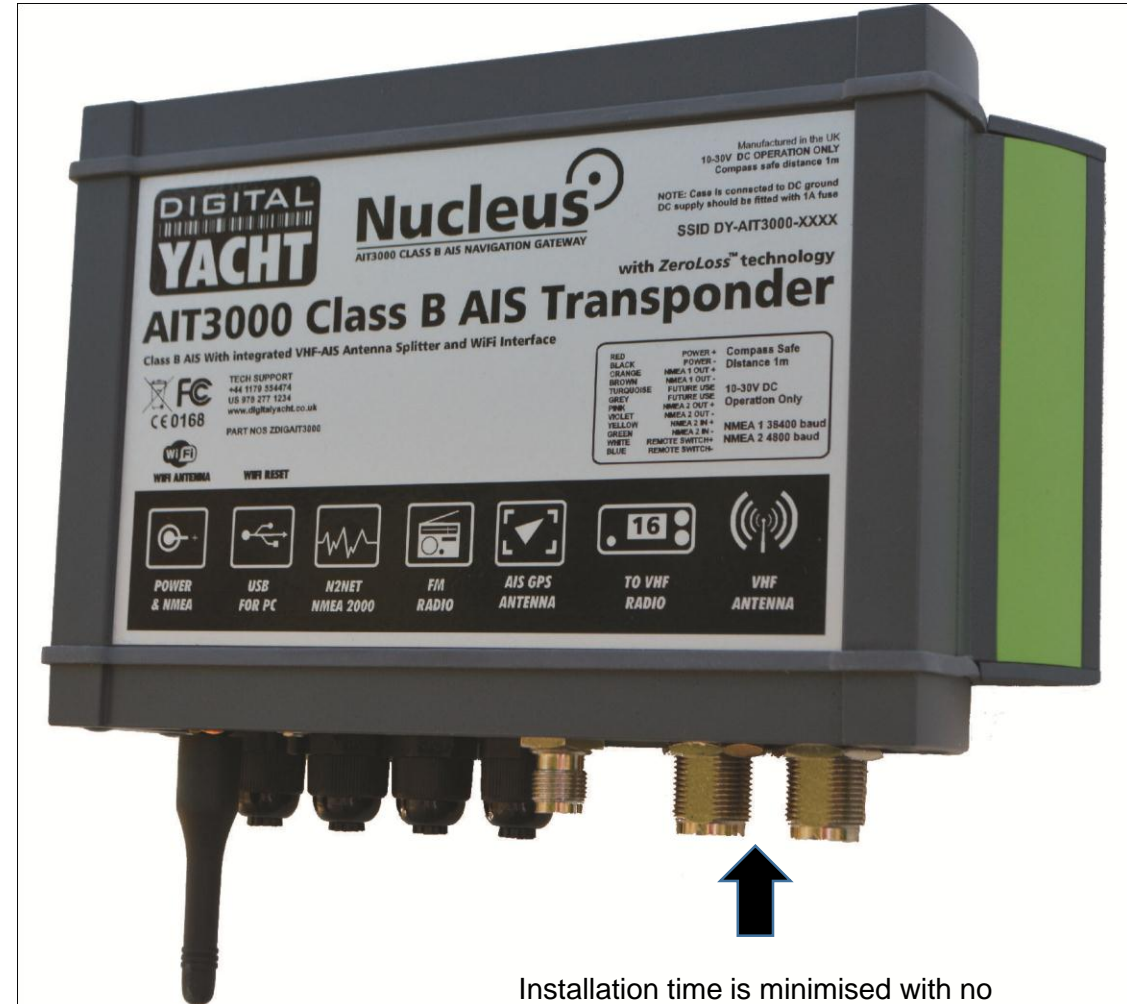


The Nucleus unit incorporates a Class B AIS transponder with VHF-AIS antenna splitter, NMEA 0183/2000/USB connectivity and wireless server

# Features

# Nucleus AIT3000

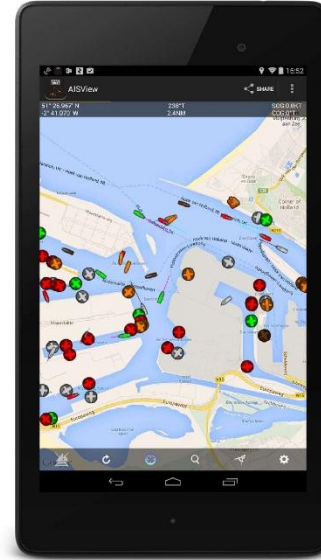
- Combination Class B AIS transponder with patented ZeroLoss VHF-AIS antenna splitter
- Full connectivity via
  - NMEA0183 Dual In/Out Interfaces
  - Built in multiplexer for instrument data
  - NMEA 2000 output
  - USB (PC and MAC)
  - Inbuilt WiFi server for tablets & smartphones
- Remote silence switch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



Installation time is minimised with no requirement for a dedicated VHF antenna – the AIT3000 can share the main ships antenna with ZeroLoss technology

# WiFi Tablet Connectivity

# iOS, Android, Windows & MAC



Today's boat is all about connectivity

The Nucleus offers not only NMEA interfacing but USB for PC and MAC and WiFi for tablets and smartphones

Digital Yacht has iAIS and NavLink apps for iOS and AISView for Android



**AquaWear**  
alliance

# Why?

# Nucleus AIT3000

AIS – The Number One step change in navigation

AIS is the biggest step change in navigation since GPS was implemented. All vessels over 300GRT are mandated to carry a Class A AIS. Wake up your plotter today with Digital Yacht AIS

Quicker, faster and a better install

With no VHF antenna to fit and patented ZeroLoss technology, you'll get the best performance and the fastest plus easiest install

The ultimate performance

Digital Yacht are a pioneer in AIS with award winning technology and a team of experts. ZeroLoss antenna sharing brings another new dimension

The biggest and best in connectivity

NMEA 0183, NMEA 2000, USB and WiFi enables connectivity everywhere plus apps for iOS, Android, PC & MAC

One stop supported solution

Compatible with every leading chart plotter plus the biggest range of applications across all platforms to maximise the AIS experience and support



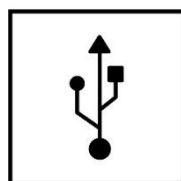
ANDROID



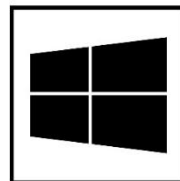
GPS



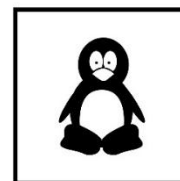
MAC



USB



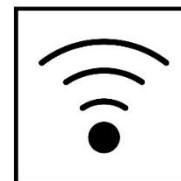
WINDOWS 8



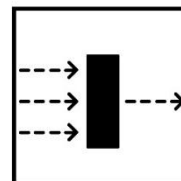
LINUX



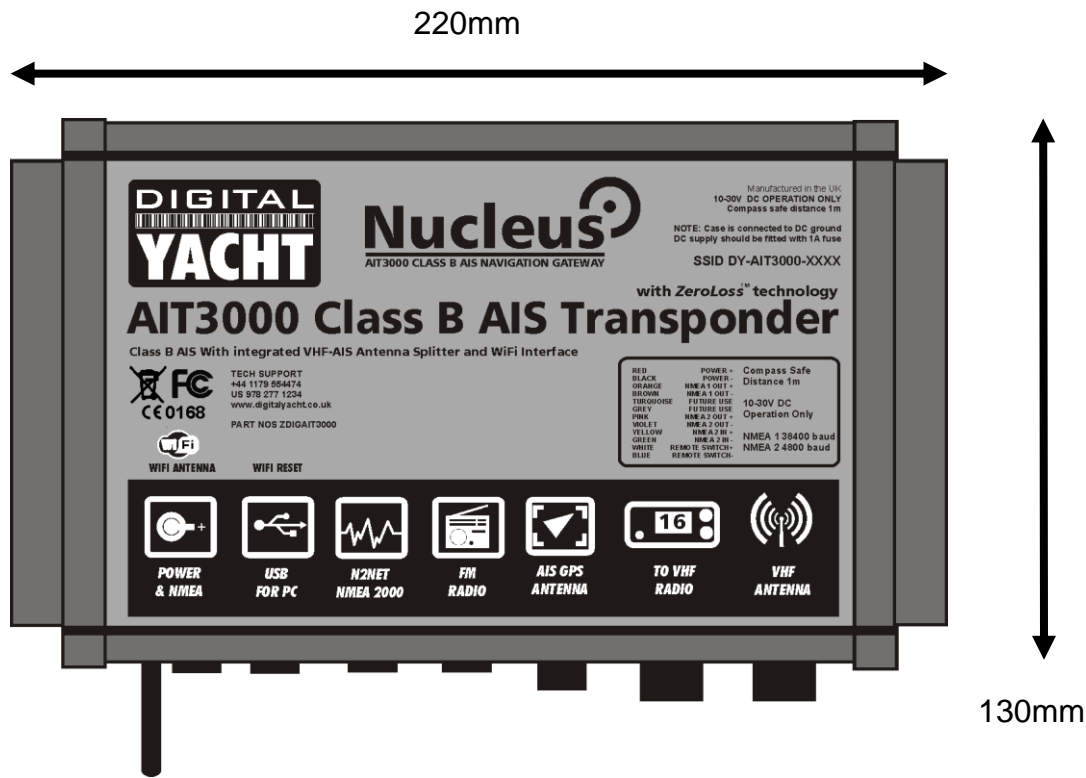
N2NET



WIRELESS



MULTIPLEXER



## Further information

Digital Yacht

TEL 01179 55 44 74

[www.digitalyachtamerica.com](http://www.digitalyachtamerica.com)

## AIT3000 Key Specifications

<b>Power</b>	10-30V DC 3-4W
<b>Interface</b>	NMEA 0183 INPUT 4800 BAUD Multiplexer from NMEA In 4800 to NMEA Out 38400 NMEA 0183 OUTPUT 4800 BAUD - GPS DATA FOR DSC VHF NMEA 0183 OUTPUT 38400 BAUD (GPS/AIS) NMEA 2000 USB WiFi 802.11 UDP or TCP/IP Optional silence switch FM radio antenna output (fitted 75 ohm connector)
<b>Dimensions</b>	220 x 130mm Waterproof to IPX6
<b>VHF antenna connections</b>	S0239 for VHF antenna S0239 for VHF radio (patch cable supplied)
<b>GPS antenna connection</b>	TNC Supplied with MA800 GPS antenna with 10m cable
<b>Retail price</b>	£825.00 excluding VAT
<b>Supplied with</b>	MA800 GPS antenna 3dBi WiFi antenna 0.8m NMEA 2000 drop cable (male) 0.8m NMEA 0183 power-data cable 0.8m USB cable Driver and software CD with SmarterTrack Lite and proAIS2 iAIS Free download from Apple app store Mounting brackets PL259 patch cable for VHF