

YACHT PILOT



YachtPilot Install Guide



SAFE • SECURE • SMART

Revolutionising the boating experience with smart boat technology

Introducing YachtPilot – the future of boating is here with our cutting-edge smart boat technology.

Boat owners and operators can now instantly access crucial information and experience peace of mind with the YachtPilot App, making boating more convenient than ever.

With YachtPilot, you can remotely monitor, track, control, and secure your vessel anywhere.

Our innovative technology is designed to identify issues before they escalate by delivering real-time data and alerts directly to your smartphone or tablet.

Developed by boaters for boaters, YachtPilot offers enhanced control and a comprehensive solution for managing your boating experience.

Contents

YachtPilot Sensor Standard Features	4
NMEA 2000 Integration	6
Package Contents.....	7
Getting Started	8
Wiring Diagram	9
Connect to the NMEA 2000 System	10
YachtPilot & NMEA 2000 Integration Diagram	11
Technical Specifications	12
Device Warnings.....	14
Limited Warranty.....	15

YachtPilot Sensor Standard Features

The YachtPilot Sensor Pro is at the forefront of smart boat technology, offering a highly versatile and dependable boat monitoring system.

The YachtPilot Sensor can connect to any Wi-Fi network on the vessel. We recommend using satellite connectivity over cellular, as satellite services are not limited by cell tower range. Additionally, satellite services provide real-time monitoring and continuous data transmission without the limitations of intermittent updates, which are common with some cellular services.

The YachtPilot Sensor Pro also includes a connection to the NMEA 2000 network. With a YachtPilot cloud subscription, you will have full access to your YachtPilot through our user-friendly smart device app and monitoring site.

Please visit yachtpilot.co to purchase your subscription.

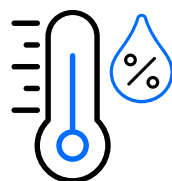


YachtPilot Sensor Standard Features (Continued)



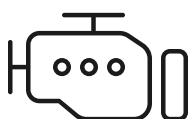
Bilge activity

Monitor bilge activity, including run time and daily cycles, and receive alerts if it detects a failure.



Temperature & Humidity

Monitor the temperature and humidity of the cabin and engine room.



Engine metrics

Monitor performance, status and support metrics for multiple engines.



Anchor alarm

Set a geofence area around your anchor. Set the alarm and perimeter and receive immediate alerts whenever your boat drifts outside the designated watch area.



Connected tank levels

Monitor fuel, water and waste tank levels and check level history.



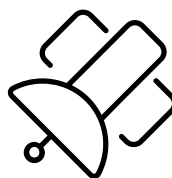
Marine geofence & GPS position

Track the location and movement of your boat and set a geofence that will send an alert if the boat leaves or enters that zone.



Weather

Get precise readings for rainfall, temperature, humidity, wind and wind gusts and receive alerts and warnings by location.



Internet compatible

Connect to any router to stay connected to the cloud, receive real-time alerts, capture and store data continuously and maintain full control of your boat.



Trip log

Automatically log your trips. Track past routes, mileage, duration and speed.



Battery Status

Avoid getting stuck in a remote location without power and prevent battery damage. Be alerted when a battery's voltage drops and when it becomes critical.

NMEA 2000 Integration: Enhancing Monitoring & Control

NMEA 2000 Monitoring and Control

YachtPilot requires all boats to have NMEA 2000 installed as a minimum requirement.

This communication standard is becoming more widely used in the marine industry as a way to connect and share data between various electronic equipment and sensors. It facilitates seamless communication between devices on a single network, allowing for the sharing of data such as GPS, depth, speed, and temperature.

NMEA 2000 Compatible Systems

The NMEA 2000 network allows instruments to be interconnected, enabling systems to use data from one instrument as input for others.

Compatible systems include:

- Engines (Port and Starboard): operating performance, engine hours, alert information and fuel consumption;
- Tanks: any number of fuel, water or waste tanks are viewable and includes current and historic liquid levels, number of gallons/liters, and percent remaining;
- GPS receivers, autopilots, wind instruments, depth sounders, navigation instruments, and nautical chart plotters.

Basic Networking Rules

To ensure your NMEA 2000 system works correctly and efficiently, some basic rules must be followed, these are:

- The network must be properly terminated. Two terminators fitted, one at each end of the backbone;
- The N2K supply voltage must be between 9 and 16V;
- The N2K supply current must be less than 3A (60 LEN);
- Maximum number of 50 physical devices on the network;
- Backbone must be under 100 metres length;
- Maximum single drop cable of 6 metres;
- Total length of all drop cables under 76 metres; and,
- The volt drop from one end of the network to the other, must be less than 1.5V.

Package Contents

YachtPilot Sensor



Drop cable



Get Started card



Getting Started

Requirements

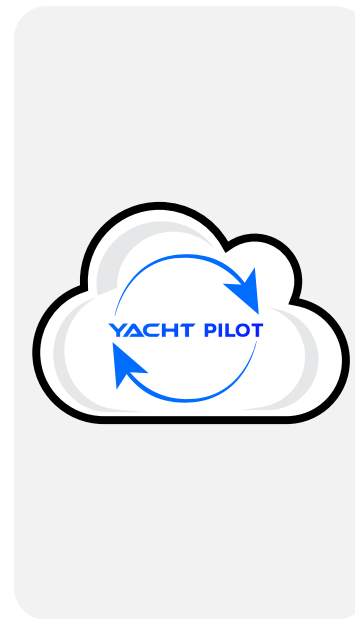
Before you begin, ensure that you have the necessary equipment and subscription needed to operate your YachtPilot.



**YachtPilot
Sensor**



Drop cable



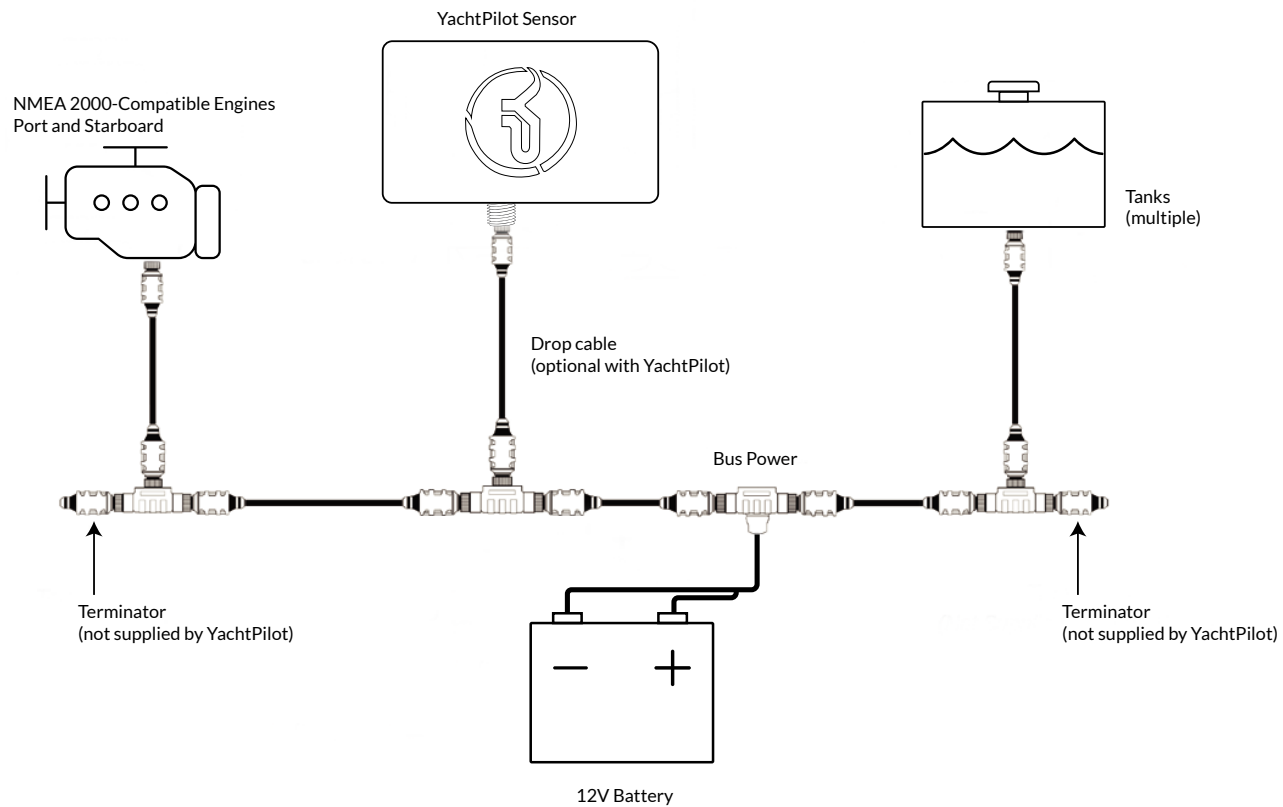
**Cloud
subscription**



**YachtPilot App
(iOS / Android)**

Wiring Diagram

This diagram shows an example of an NMEA 2000 Backbone with the YachtPilot Sensor, NMEA 2000-compatible engines and instruments.



*YachtPilot Sensor does not have an internal battery. Once connected to the NMEA 2000 backbone with the supplied drop cable, the Sensor will draw power through the CANBUS port.

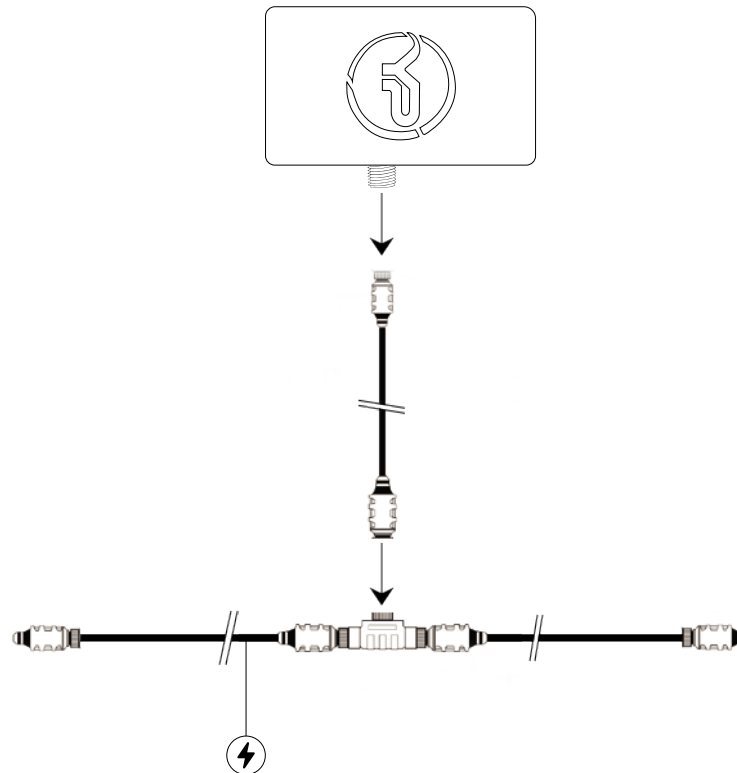
Connect to the NMEA 2000 System

Installation Instructions

Plug the Sensor into a free port on the NMEA 2000 Backbone using the supplied drop cable or owner's own and compatible cable.

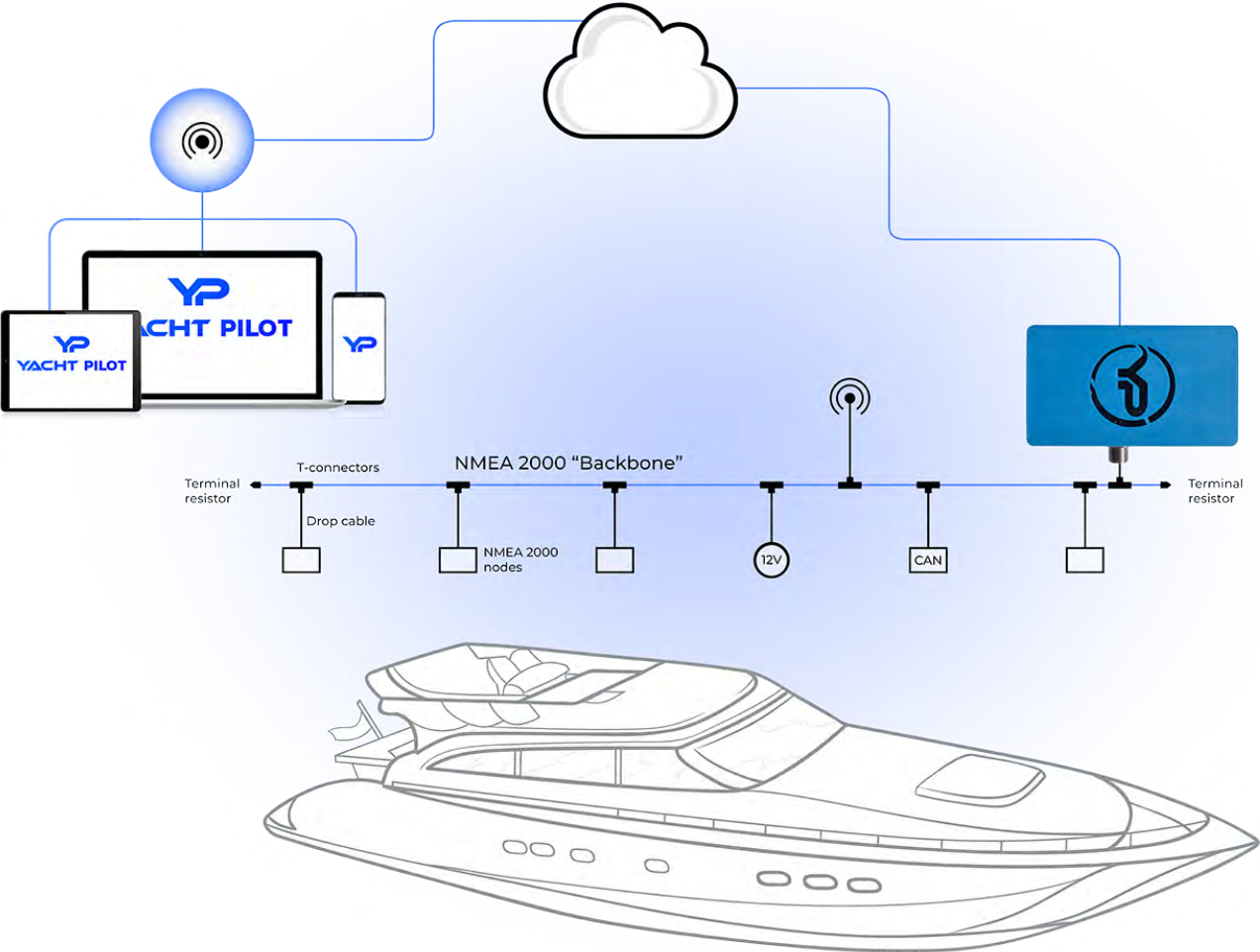
Ensure the system is connected to power and to the same network your mobile device is connected.

For Sensor activation and setup, refer to YachtPilot App guide.



YachtPilot & NMEA 2000 Integration Diagram

An illustration of the YachtPilot system.



Technical Specifications

General

Dimensions	4.5 L x 2.6 W x 1.9 D in	114 L x 67 W x 49 D mm
Weight	.330 lb	150 gm

Environmental

Temperature (operating)	32° - 158° F	0° - 70° C
Temperature (storage)	-40° - 185° F	-40° - 85° C
Humidity	40 - 80 %	

Electrical

Input Voltage	5.3 - 50 V	
Nominal Voltage	5.1 V	
Maximum Current Draw	3.0 A	
Typical Operating Current	600mA	

Technical Specifications (Continued)

Wireless Communication

Signal	Standard	Antenna
Bluetooth	5.0 Bluetooth Low Energy (BLE)	Internal
Wi-Fi	IEEE 802.11ac (Wi-Fi 5)	Internal
Wireless Sensor	2.4 GHz and 5.0 GHz	Internal

Wired Communication

Interface	Standard	Connector
CAN Bus	NMEA 2000	M12 (5 Pin)
Ethernet	1000BASE-T	

Device Warnings

- Do not immerse the Sensor in water or other liquids.
- Do not install the Sensor where it will be exposed to a heat source or in a high-temperature location, such as in the engine compartment or in direct sun.
- Do not install the Sensor where a combustible atmosphere exists. The Sensor is not explosion-proof.
- Do not operate the device outside of the temperature ranges specified in the printed or on-line manual.
- For indoor use only – it must be in an enclosed area.
- When storing the device for an extended time, store within the temperature ranges specified above.

Failure to adhere to the following guidelines may result in voiding the warranty.

Limited Warranty

YachtPilot warrants that the YachtPilot Sensor (“Device”) purchased directly from YachtPilot is free from defects in materials or workmanship under normal use for a period of 12 months from the date of purchase (“Warranty”). This express limited Warranty extends only to the original purchaser and is non-transferable.

Suppose the Device fails during normal and proper use within its warranty period. In that case, YachtPilot will repair or exchange the faulty parts within the Device or the Device itself (“Warranty”). Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the Device. Ownership of items is transferred to each party upon exchange. Repair or exchange is subject to the original item being genuine and unaltered.

You must provide your sales receipt or proof of purchase to obtain a warranty service during the warranty period.

What is Not Covered Under the Warranty

The following items are not covered under this Warranty:

1. **Setup and Usage Instructions:** You must read and follow all setup and usage instructions in the applicable user guide and manuals enclosed with the Device. Failure to do so may result in improper functioning of the Device, loss of data, or other damage.
2. **Device Operation:** YachtPilot does not warrant that the operation of the Device will be uninterrupted or error-free. All warranties, conditions, and liabilities implied by law that can be excluded are currently excluded. YachtPilot shall not be liable for any direct or indirect loss or damage, including loss of profits or incidental or consequential damages arising from the Device or your use.
3. **Exclusions:**
 - a. **Failures due to Abuse or Misuse:** Failures due to abuse, misuse, accident, unauthorised alterations, or repairs;
 - b. **Improper Installation:** Damage caused by improper installation or connection, including hardwiring or using unauthorised chargers
 - c. **Excessive Heat or Accidental Damage:** Damage caused by exposure to excessive heat beyond stated tolerances or accidental damage such as dropping the Device.

- d. **Data Loss:** The loss or corruption of data on any storage media or devices connected to the Device, except for standard data provided with the Device.
- e. **External Electrical Faults:** Damage caused by external electrical faults or impacts.
- f. **Neglect or Improper Maintenance:** Damage from neglect, improper maintenance, or use outside the specified usage parameters.
- g. **Unauthorised Accessories:** Damage can result from using accessories not manufactured or sold by YachtPilot.
- h. **Device Origin:** Devices purchased from unauthorised sellers.
- i. **Unapproved Modifications:** Modifications to the Device not approved in writing by YachtPilot.
- j. **Third-Party Devices:** The service necessitates using third-party Devices not approved by YachtPilot.
- k. **Routine Cleaning and Wear:** Routine cleaning, normal cosmetic wear and tear, or other events beyond YachtPilot control.
- l. **Transit Damage:** Damage or loss during transit to YachtPilot, authorised service providers, or resellers.

Any service or repair for items not covered by this Warranty will be charged at YachtPilot or its Authorised Service Provider's rates and terms in effect at that time.

Consumer Guarantees (Australia Only)

Consumer Guarantees apply to goods bought **on or after 1 July 2020** by a consumer from an Authorised seller or directly from the Website during normal trade (not by way of auction where the auctioneer acts as an agent of the owner(s)) and where the goods are used for personal, domestic, or automobile purposes.

Our goods come with guarantees that cannot be excluded under Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You also have the right to have the goods repaired or replaced if they fail to be of acceptable quality, and the failure does not amount to a major failure.

This Warranty is not intended to limit your rights under the Consumer Guarantees (in Australia). The benefits this warranty provides are in addition to other rights and remedies you may have under the law about the goods or services to which the warranty relates.

To the extent permitted by law, the warranties and remedies provided herein are exclusive and in lieu of all other warranties, expressed, implied, or statutory, including any liability arising under any warranty of merchantability or fitness for a particular purpose.

Procedure for Claiming Warranty

Step 1: Visit yachtpilot.co for support and service information.

Step 2: If you need to return your Device, you must submit a Support Request through the Website or contact YachtPilot by phone at +61 02 9160 7045 during business hours, 9:00 am to 4:00 pm AEST (Monday to Friday), or by email at support@yachtpilot.co

You will need to obtain a Return Authority or Ticket Number. This number must be visible on the packaging to ensure proper processing.

Postage Costs: The sender will bear the cost of postage to YachtPilot, and YachtPilot will cover the cost of return postage to the sender.

Return Shipping Address: Please provide your return shipping address and daytime telephone number so that YachtPilot can return the Device to you.

Repairs or replacements under the Warranty will be made at no charge to the customer for parts or labour, provided the customer is responsible for any transportation costs.



YACHT PILOT

SAFE • SECURE • SMART

+61 02 9160 7045

support@yachtpilot.co

yachtpilot.co