



# GyroPilot

**Powerhouse** in the palm of your hand

GyroPilot is an excellent device to support a broad range of **professional pilotage** and **navigation operations**.

This compact unit plugs into the ship's AIS to transmit AIS position data and adds independent Rate-of-Turn (ROT) and smoothed Heading (HDG) data.

It wirelessly transmits this data to your laptop/ tablet running navigation software and charts (ENCs), giving you the precise and stable information you need to support many types of basic manoeuvres.

It is best suited to pilots wanting to use the Pilot Plug but also wanting better HDG or ROT data, which is almost never available from the ship.

GyroPilot's features include the ability to link with other sensors to get more independent data and augment its performance, allowing the user to upgrade to a more robust and sophisticated system.

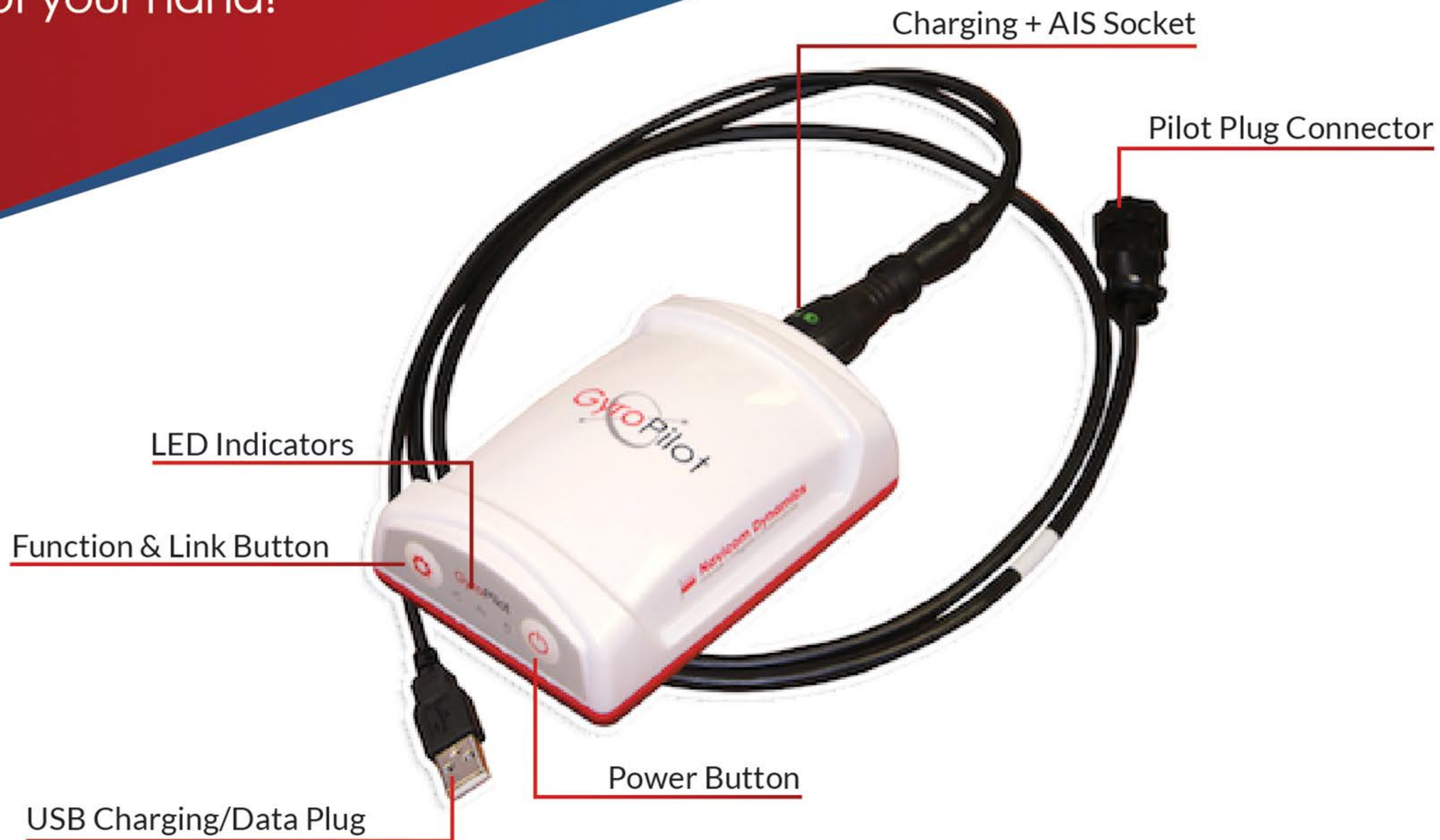
GyroPilot is physically tough, with a lightweight form factor, portability and ease-of-use.



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Wireless Pilot Plug data repeater with built-in gyro for ROT data and heading smoothing. All in a light-weight and rugged case that fits in the palm of your hand!



## Performance Features & Usability

- Quick start up** : AIS available immediately and ROT after calibration (30 sec).
- Auto detect** : Auto detects and corrects Pilot Plug pin configuration and data rate.
- Leave-behind Alarm** : Alarm activates 30 sec after **GyroPilot** is no longer connected to the laptop/tablet.
- Backup mGNSS** : Should AIS fail, GP provides mGNSS position and course over ground (COG) for emergency use.
- Software** : Compatible with all leading piloting and navigation software (*with NMEA format messages*)
- Multi-Connect Ability** : Compatible with both Bluetooth or Wi-Fi devices. Can connect with 3 Wi-Fi or 7 Bluetooth devices at the same time.



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# GyroPilot Specifications

## Physical Specifications

Dimensions	120 x 75 x 40mm [4.7" x 2.9" x 1.6"]
Weight	300g [0.66 lbs]
Battery	Li-Ion rechargeable
Indicators	Battery status, Communication link status, GNSS status, AIS status
AIS cable	1.5m Combined AIS & charging cable ( <i>other lengths available on request</i> )

## Technical Specifications

Position source	Primary - AIS   Back up - mGNSS
Rate of Turn (ROT)	ROT Accuracy* 0.4°/min   ROT Precision : 0.001°/min
Heading (HDG)	HDG Accuracy* 0.5°   HDG Precision : 0.001°
Data output	All AIS messages, GPHDT, GPROT, battery status
Wireless	Wi-Fi or Bluetooth (Class 1). Back-up operation by USB cable
Backup GPS	33-channel GPS/GLONASS receiver with SBAS. GPGGA, GPVTG, GPGSV
Testing	AIS test message built-in
Battery Life	Up to 24 hours
External linking (Option)	<b>GyroPilot Plus</b> - independent position sensor (single antenna unit) ( <i>Available for purchase separately</i> )
Position Accuracy*	mGNSS 2.5m   SBAS 1m [from <b>GyroPilot Plus</b> ]
Set-up Time	1-2 mins

## Environmental Specifications

Operating temperature	-20°C to +74°C (-4°F to +165°F)
Storage temperature	-40°C to +74°C (-40°F to +165°F)
Humidity	95% (non-condensing)
IP rating	IP 65
(RoHS)	<b>GyroPilot</b> meets the directive for Restriction of Hazardous Substances (RoHS)

\* achieves accuracies down to



Order the Complete Package from us now!

# GyroPilot + Display (Laptop/Tablet) + Software + ENCs



Our products are used in over 40 countries globally. Some of our GyroPilot customers are:

- Swedish Maritime Administration, Sweden
- Mississippi River Pilots, United States of America
- Midwest Port Authority, Geraldton, Australia
- Medway Pilots, United Kingdom
- Rio de Janeiro Pilots, Brazil

To refer case studies of our products, please visit our website on:  
[www.navicomdynamics.com/case-studies](http://www.navicomdynamics.com/case-studies)

- ▶ 2 year warranty applicable (1 year for cables and batteries)
- ▶ Product support packages available
- ▶ Discounts available for volume purchases
- ▶ Purchase also available through 'Equipment on lease' (SaaS Select) program (inclusive of comprehensive support)
- ▶ Special promo pricing for purchase of GyroPilot with GyroPilot Plus



GyroPilot v3 with  
GyroPilot Plus



GyroPilot Triteia

#### GyroPilot upgrade paths:

Add-on devices for more independent information  
- independent position sensor (GyroPilot Plus)  
independent heading and position antenna  
(powered by Trimble technology)




Proudly designed and manufactured in New Zealand



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