



# HarbourPilot Triton

Achieve the **ultimate in positioning,  
heading and ROT performance**

HarbourPilot Triton is Navicom's flagship system and the ultimate in Portable Pilot Unit technology.

It is a high precision, dual antenna system with full mGNSS with L1 and L2 bands. L2-activation greatly improves functionality and performance. This gives it much more data to work with, increasing both accuracy and reliability. HarbourPilot Triton allows quick set-up by placing the antennas at any separation.

With HarbourPilot Triton, the most critical manoeuvres are supported with the best quality data. This includes docking, berthing, tight swings/turns as well as channel navigation. It also supports some offshore oil & gas applications.

HarbourPilot Triton is customisable and provides marine pilots with the best information which is completely independent from the ship's data, greatly improving port safety and efficiency.



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Innovate | Integrate | Communicate

An mGNSS enabled dual antenna system which is completely independent of the ship.



## Performance Features & Usability

- Independent** : Fully independent from ships data. Offers a reliable secondary source for navigation information.
- Variable antenna separation** : No need for pre-programmed fixed antenna separation. Users can place antennas at any separation up to 5m. L2 band facilitates quicker acquisition of HDG data.
- Enhancing PPU performance** : Receives SBAS (where available) corrections. Optional RTK/DGPS corrections with UHF. Option for Atlas corrections services to increase accuracy.
- Familiar & Reliable** : Same high-quality data on board every vessel.
- Interfacing external data** : Optionally can be interfaced with shore based data such as UKC where needed.
- Enhances safety** : Invaluable in low visibility or rough weather conditions. Supports any manoeuvre for ship handling in confined waters and marginal conditions.
- Robust & Durable** : Ruggedised carry case allows ease of carriage, set-up and stowage. Protects gear from harsh maritime conditions or rough use.



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## HarbourPilot Triton Specifications

### Physical Specifications

Dimensions	L457mm x W330mm x H175mm (interior) [L17.9" x W12.9" x H6.8"] L503mm x W406mm x H193mm (exterior) [L19.8" x W16" x H16"]
Weight	8 kg (excluding laptop) (17.6 lbs)
Battery	Li-ion rechargeable
Battery life	up to 10 hours
Indicators	Battery status, Communication link, GNSS position, Antenna Rx, Heading, UHF Link

### Technical Specifications

Position source	L1/L2 mGNSS - GPS/ GLONASS/ GALILEO/ QZSS/ BEIDOU
Correction source	SBAS enabled (WAAS, MSAS, EGNOS, GAGAN, SDCM, QZSS) Additional enhancements: UHF DGPS (base station), UHF RTK (base station), Atlas satellite based corrections
Position accuracy*	GNSS 2.5m   SBAS (corrected) 0.5m   DGPS (corrected) 0.5m   RTK (corrected) 0.02m   Atlas correction services (corrected) H30=0.3m/H10=0.08m
Heading	HDG Accuracy*: 0.04° at 2m antenna separation    HDG Precision: 0.001°
Rate of Turn	ROT Accuracy* 0.3°/min    ROT Precision 0.1°/min
AIS reception range	Internal AIS - 3nm   External AIS - 10nm
Data output	GPGGA, GPHDT, GPROT, AIVDM and battery status
Multi-connect ability	Wi-Fi or Bluetooth (class 1). Can connect to multiple devices at once to enable sharing of info.

### Environmental Specifications

Operating temperature	- 20°C to +74°C (-4°F to +165°F)
Storage temperature	-40°C to +85°C (-40°F to + 185°F)
Humidity	95% (non-condensing)
IP rating	IP 67
(RoHS)	HarbourPilot Triton meets the directive for Restriction of Hazardous Substances (RoHS)

\* achieves accuracies down to

Order the Complete Package from us now!

# HarbourPilot Triton + Display + Software + ENCs Set-up & ready to use

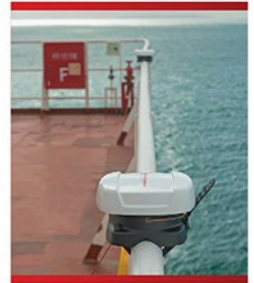


Our products are used in over 40 countries globally. Some of our HarbourPilot customers are:

- Gladstone Ports Corporation, Australia
- Exxon Mobil, Papua New Guinea
- Cabinda Gulf Oil Company (CABGOC), Angola
- Woodside Energy, Australia
- Dutch Offshore contractors, Netherlands

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
- ▶ Purchase also available through 'Equipment on lease' (SaaS Select) program (inclusive of comprehensive support)
- ▶ Discounts available for volume purchases






Proudly designed and manufactured in New Zealand



[sales@navicomdynamics.com](mailto:sales@navicomdynamics.com) | [www.navicomdynamics.com](http://www.navicomdynamics.com) | Call: +64 99155330

Office Address: 2 Parkhead Place, Albany, Auckland, NZ 0632. | Postal Address: PO Box 302 193, North Harbour, Auckland, NZ 0751.

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