ChannelPilot MK3

An **outstanding companion** for **Piloting & Navigation**

With the ChannelPilot in hand, you can break free of the vagaries of the Pilot Plug.
ChannelPilot is a highly accurate and reliable source of data for maritime pilots looking for an outstanding aid to navigation. It is perfectly suited for narrow channel navigation with tight turns and even supports some docking and berthing applications. It's use is invaluable in low visibility conditions.

ChannelPilot is a single antenna system that has independent sensors to:

- Calculate absolute position from either raw GNSS data, or by incorporating differential corrections via SBAS (satellite based augmentation) to 1 metre accuracy
- Calculate and smooth the input AIS heading to generate precise data for smoother predictors
- Generate highly accurate Rate-of-Turn data from its own internal rate gyro
- Receives AIS data from surrounding ships allowing the pilot to see other vessels in the vicinity - improved situational awareness

ChannelPilot offers the user reliability, familiarity and portability which makes it the **PPU of choice** for marine pilots, harbour masters and port authorities worldwide.

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A multi GNSS enabled single antenna system which is independent of the Pilot Plug.

Performance Features & Usability

Semi-independent	:	Independent of Pilot Plug for Position and ROT data with semi-independent Heading data (wirelessly calibrated from the ship's AIS)
L1 mGNSS receiver	:	Multi constellation to better calculate position information. Where available, SBAS corrections are received to augment position accuracy.
Quick start-up	:	Self-calibrating gyro initialises in 120 seconds (after MMSI has been sent to CP).
Software	:	Compatible with all leading piloting software (with NMEA format messages).
Lightweight & Portable	:	Weighing 850 grams and ergonomically designed, this robust unit is built for tough conditions.
Operational run time	:	Operates for over 15 hours on a single charge.
Multi-connect Ability	:	Can connect to 3 Wi-Fi devices at a time.

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ChannelPilot MK3 Specifications

Physical Specifications

Dimensions	170 x 110 x 72 mm (h) [6.7" x 4.3" x 2.8"]
Weight	850g (1.9 lbs)
Battery	Li-Ion rechargeable
Indicators	Battery status, Link status (to the display unit)

Technical Specifications

Position source	GPS/ GLONASS/ GALILEO/ QZSS/ BEIDOU (L1 mGNSS)
Correction source	SBAS enabled (WAAS, MSAS, EGNOS, GAGAN, SDCM, QZSS, SouthPAN)
Position Accuracy*	mGNSS (uncorrected) 2.5m | SBAS (corrected) 1m
Heading (HDG)	HDG Accuracy* 0.5° | HDG Precision: 0.1°
Rate of Turn (ROT)	ROT Accuracy* 0.25°/min | ROT Precision: 0.1°/min
AIS reception range*	10nm
Data output	GPGGA, GPHDT, GPROT, AIVDM, GPVTG and battery status. *Output can also be configured on request*
Wireless	Wi-Fi (Multi-connect to multiple devices)
Battery life	Up to 15 hours
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 +85°C (-40°F to + 185°F)
Humidity	95% (non condensing)
IP rating	IP 66
(RoHS)	ChannelPilot meets the directive for Restriction of Hazardous Substances (RoHS)

** achieves accuracies down to*

Order the Complete Package from us now!

ChannelPilot MK3 + Display (Laptop/Tablet)+ Software + ENCs

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

- **Sabine Pilots, Texas, United States of America**
- **Fremantle Pilots, Western Australia**
- **Ports of Auckland, New Zealand**
- **Seine River Pilots, France**
- **Liverpool Pilots, UK**
- **Port of Santos, Brazil**

To refer case studies of our products, please visit our website on:
www.navicomdynamics.com/case-studies

- 2 year warranty applicable (1 year for cables and batteries)
- Product support packages available
- Upgrade offer available for existing customers of the ChannelPilot MK2
- Discounts are available for volume purchases
- Purchase also available through 'Equipment on lease' (SaaS Select) program (inclusive of comprehensive support)

The PilotPack is custom made for Navicom ChannelPilot. This industrial strength backpack protects the equipment from harsh maritime conditions while allowing Pilots to easily store and transport gear while on the job.

Ergonomically designed to facilitate easy transfers whether carried on person or hauled up side of ship or down from a helicopter.

Proudly designed and manufactured in New Zealand

sales@navicomdynamics.com | www.navicomdynamics.com | Call: +64 99155330

Office Address: Level 1, 2A Rothwell Avenue, Albany, Auckland 0632, New Zealand.
Postal Address: PO Box 302 193, North Harbour, Auckland, NZ 0751.

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