



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. Its 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 sub-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
- ▶ Receive AIS data from other ships so the pilot can see other vessels in the vicinity

The result is very good quality information to create a scale image of the vessel on the software & chart on the laptop or tablet.

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



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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 ships's AIS).
- mGNSS L1 receiver** : Multi constellation to better calculate position information. Where available, SBAS corrections are received to augment position accuracy.
- Quick start-up** : Place (with a clear view of the sky) and switch on. Self-calibrating gyro initialises in 120 seconds (after MMSI has been sent to CP).
- Software** : Compatible with most 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
- Wireless** : Interfaces with AIS and users laptop/tablet via Wi-Fi or Bluetooth



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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 (1.87 lbs)
Battery	Li-Ion rechargeable
Indicators	Battery status, Link status (to the display unit)

Technical Specifications

Position source	L1 GPS, GLONASS, GALILEO, BEIDOU, QZSS (mGNSS)
Correction source	SBAS enabled (WAAS, MSAS, EGNOS, GAGAN, SDCM)
Position accuracy	GNSS < 2.5m SBAS < 1m (corrected)
Heading (HDG)	HDG Accuracy < 0.5° HDG Precision: 0.1°
Rate of Turn (ROT)	ROT Accuracy < 0.5°/min ROT Precision: 0.1°/min
AIS reception range	10NM (typical)
Data output	GPGGA, GPHDT, GPROT, AIVDM, GPVTG and battery status. Output can also be configured on request
Wireless	Wi-Fi or Bluetooth option (Class 1)
Battery life	> 15 hours

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)

Order the Complete Package from us now!

ChannelPilot MK3 + Display (Laptop/Tablet)+ Software + ENC's

Our products are used in over 30 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

- ▶ Discounts are available for volume purchases
- ▶ 2 year warranty applicable (1 year for cables and batteries)
<http://navicomdynamics.com/products/product-support>
- ▶ Variety of support packages available
- ▶ Upgrade offer available for existing customers of the ChannelPilot MK2
- ▶ Purchase also available through 'Equipment on lease' (SaaS Select) program (inclusive of comprehensive support)

All this and more! Find out how you can make the new ChannelPilot yours and join the growing, global Navicom family.

More precision navigation products from Navicom Dynamics:

ShuttlePilot	For relative positioning operations and buoy moorings in the offshore industry. Options include: ESD, hawser and riser monitoring.
HarbourPilot	Exceptional accuracy and fully independent of ship systems. Supports all piloting operations - anywhere.
GyroPilot	Adds smoothed heading and ROT to pilot plug data with GPS fall-back.

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