



ChannelPilot MK3

RTK level Position Accuracy

With 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's 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 can work with NTRIP corrections to provide RTK level accuracy, in a single antenna PPU. The NTRIP client is run on the users display (laptop/tablet) and the obtained RTK corrections are then used by ChannelPilot to provide position accuracy down to 1cm. Users can access RTK level position accuracy without the need to invest in base station infrastructure.

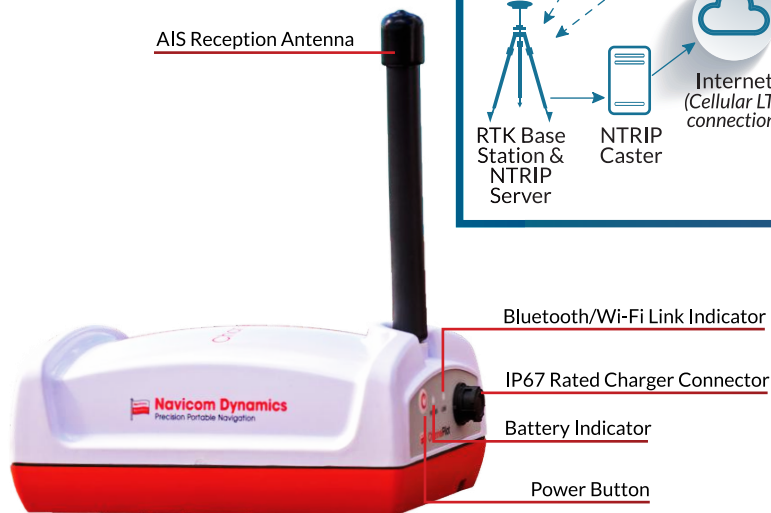
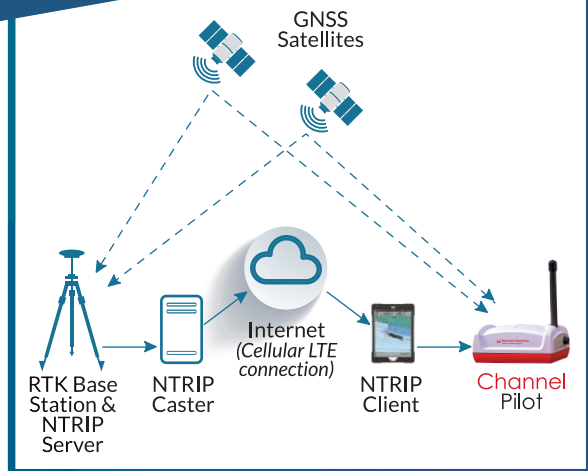
ChannelPilot has it's own gyro for independent ROT information and provides smoothed and accurate HDG (once it wirelessly calibrates itself from the ships AIS transmissions). It receives AIS data from surrounding ships allowing the pilot to see other vessels in the vicinity, improving situational awareness.

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/ L5 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 have 8 WiFi connections.



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ChannelPilot

RTK Specifications

Physical Specifications

| | |
|------------|---|
| Dimensions | 170 x 110 x 72 mm [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/ L5 mGNSS) |
| Correction source | NTRIP RTK, SBAS |
| Position Accuracy* | mGNSS 1.5m SBAS 1m RTK 0.01m |
| 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. <i>Outputs can also be configured on request</i> |
| 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 + 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 - enquire with us
- ▶ Purchase also available through 'Equipment on lease' (SaaS Select) program (inclusive of comprehensive support)



ChannelPilot RTK requires the following:

- ▶ Electronic Charting Software (ECS) to have NTRIP client
- ▶ User to have subscription to local NTRIP provider
- ▶ Laptop/Tablet to have cellular connection




Proudly designed and manufactured in New Zealand



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