

SafePilot CAT XT Portable Piloting Units

SAFEPILOT CAT XT SYSTEM

Trelleborg's SafePilot CAT XT system consists of two completely interchangeable sensors with independent Rate-of-Turn, GNSS positioning, highly accurate speed measurements and an intuitive SafePilot professional piloting software.

SAFEPILOT

Trelleborg's SafePilot is a professional navigation & piloting software, built in collaboration with marine pilots worldwide, employing highly intuitive, easy-to-use touchscreen technology, offering pilots the most modern and professional tool for pilotage operations. SafePilot software includes navigation data, planning function, route, arrival times, recordings, chart handling, predictions and history, in a user-friendly format direct to iPad or Apple Watch.



CAT XT

Trelleborg's CAT XT is a small and sturdy pilot unit designed for professional piloting. Two interchangeable CAT XT units are used as a pair. The indoor unit connects to the pilot plug, and the outdoor unit provides position, speed, course based on GNSS.

CAT XT improves the heading resolution and measures a reliable real-time rate of turn, making the pilot plug a suitable data source for the pilot systems via integrated rate sensor and intelligent filtering. CAT XT supports NTRIP RTK corrections via SafePilot, delivering position accuracies to within 1cm.

In case of a pilot plug failure, the external XT unit can be used standalone as a backup solution to still provide accurate positioning.

All data received are transferred through Wi-Fi to an iPad with SafePilot.

CAT XT has a long battery life of 30 hours and supports fast USB-C and wireless charging.

FEATURES

- Rate sensor
- Navigation processor
- Intelligent filtering
- Decimal degree on heading
- Reliable, real time Rate of Turn
- AIS targets
- Light weight
- Pocket size (138 x 100 x 25 mm)
- USB-C charge
- Wireless charging
- Autopolarity conversion (APC)
- Wi-Fi connection to pilot's display
- Spoofing / Jamming detection
- NTRIP over the air corrections
- Over the Air (OTA) firmware update via SafePilot



SPECIFICATIONS

Weight	410g
Dimensions	138 x 100 x 25 mm
Protection rating	IP67
Heading resolution	0.1 deg
Rate of Turn	<0.5 deg/min
Integrated rate sensor	Yes
Charge time	3 hours in fast charge mode
Battery capacity	30 hours
GNSS	Multi GNSS L1/L2 supporting all constellations
Wi-Fi range	200m line of sight
USB charge	Yes
AIS targets	From ship AIS
Speed accuracy	1cm/sec (RMS) or from ship instruments
Position Accuracy (RMS)	RTK: 1cm + 1ppm DGPS: 0.4m SBAS: 0.6m Stand-alone: 2m
Option for ships shore link (GPRS or (UMTS)	Via SafePilot

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