



Trimble MPS865

MARINE POSITIONING SYSTEM GNSS RECEIVER

The Trimble® MPS865 Marine Positioning System GNSS Receiver is a highly versatile, rugged and reliable Global Navigation Satellite System (GNSS) positioning and heading solution for a wide variety of real-time and post-processing applications for marine survey and construction.

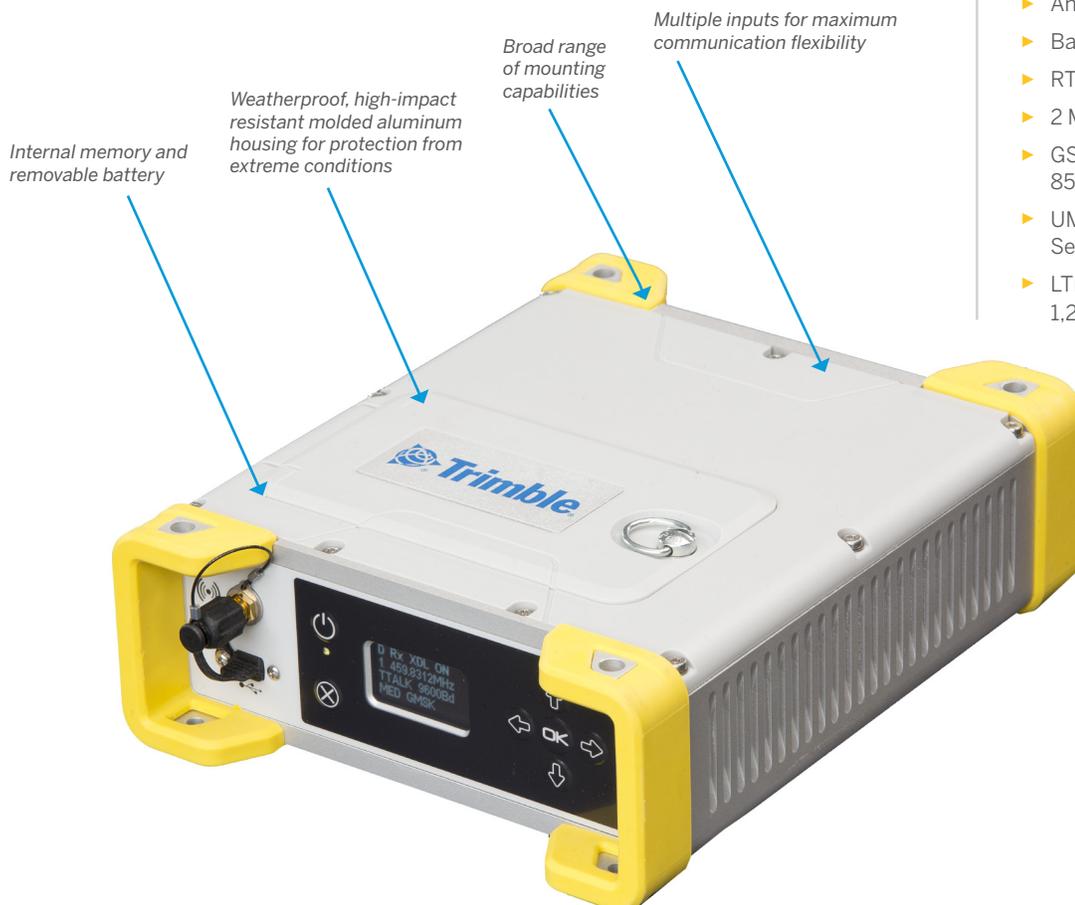
With a modular form factor, the MPS865 GNSS Receiver is flexible and can be used as an integrated on-board rover receiver, onshore land rover, a base station, or a continuously operating reference station. The MPS865 allows the connection of two GNSS antennas for precise heading.

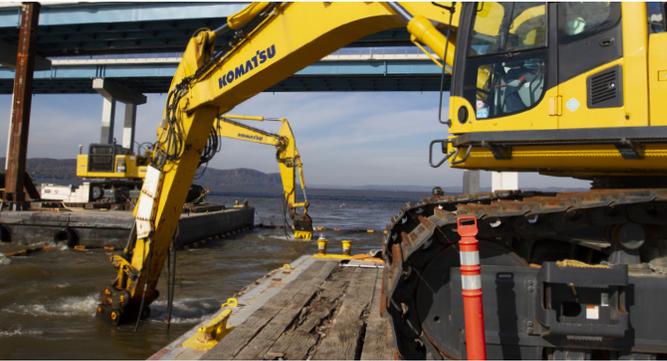
The multi-constellation option maintains productivity in marine sites or when antennas/satellites are partly obstructed. It always delivers precise heading even when no GNSS corrections are received.

The MPS865 has cellular inside—it is now easier to use base-station-free VRS onsite as well as communicate with the receiver via the internet and SMS messages. The receiver can also be used as a data access point on the vessel to download design files or for immediate remote support.

Key Features

- ▶ Rugged design built for marine environments
- ▶ Bluetooth® and Wi-Fi® communication
- ▶ Patented GNSS technology
- ▶ 480-channel tracking
- ▶ Dual GNSS antenna inputs for heading
- ▶ 1 PPS output for sonar synchronization
- ▶ OLED display, keyboard, and Web UI
- ▶ Optional internal transmit and receive 450 MHz UHF radio
- ▶ LTE(4G) cellular modem
- ▶ SMS and email alerts
- ▶ Anti-theft technology
- ▶ Backup RTK - Hot Standby
- ▶ RTK bridge to rebroadcast corrections
- ▶ 2 MSS L-band channels
- ▶ GSM/GPRS/EDGE Quad bands 850/900/1800/1900MHz for 2G
- ▶ UMTS/HSDPA Cat 8 /HSUPA Cat 6: Seven bands 1,2,4,5,8,9,19 for 3G
- ▶ LTE Cat 1 Twelve bands 1,2,3,4,5,7,8,12,18,19,20,28 for 4G





MARINE APPLICATIONS

MPS865 and Trimble Marine Construction Software

As a key component of Trimble Marine Construction Systems, the MPS865 provides precise position and heading directly into Trimble Marine Construction Software for dredging operations.

Utilize the MPS865 and Trimble Marine Construction software in a range of marine construction applications:

- ▶ Hydrographic and land-based pre-construction as-built surveying
- ▶ Machine guidance and positioning
- ▶ Progress volumes and reporting
- ▶ Post-construction as-built inspections

MPS865 and Trimble Siteworks for Construction Surveyors

The Trimble Siteworks Positioning System enables surveyors to work with complex 3D models, collect large data sets faster, visualize complex 3D models more easily and work day or night efficiently.

With Siteworks, the same MPS865 can be used on site and on the vessel for both field rover measure up and topographic mapping. Contractors can more efficiently accomplish surveying tasks such as:

- ▶ GNSS base station setup
- ▶ Construction stakeout and as-built
- ▶ SonarMite echosounder integration for small scale bathymetric surveys
- ▶ Single beam echosounder surveys
- ▶ Measure on-land features such as beach profiles
- ▶ Quickly collect data when measuring up for beach reclamation and surveying port features



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